

File No.: 04-1000-20-2025-593

December 24, 2025

s.22(1)

Dear s.22(1)

Re: **Request for Access to Records under the Freedom of Information and Protection of Privacy Act (the "Act")**

I am responding to your request of September 2, 2025 under the *Freedom of Information and Protection of Privacy Act* for:

Records relating to the demolition and hazardous materials management at David Lloyd Gerge Elementary School including:

- 1. Demolition permits issued for this site (including applications, approvals, and supporting documents);**
- 2. Hazardous materials declarations or surveys submitted to the City for this demolition, including asbestos, lead, silica, PCBs, mercury, or other hazardous materials;**
- 3. Correspondence (emails, memos, letters) between the City and the Vancouver School Board (SD39), demolition/abatement contractors, or WorkSafeBC regarding hazardous materials at this site;**
- 4. Any compliance notices, stop-work orders, or inspections conducted by the City staff related to this demolition project; and**
- 5. Any environmental or public health safety notices provided to the public, parents, or nearby residents concerning demolition or hazardous materials at this site.**

Date range: January 1, 2022 to September 3, 2025.

All responsive records are attached. Some information in the records has been severed (blacked out) under s.13(1), s.17(1)(b), s.21(1), and s.22(1) of the Act. You can read or download these sections here:

http://www.bclaws.ca/EPLibraries/bclaws_new/document/ID/freeside/96165_00.

*Please note that there are no records responsive to points three, four and five of your request.

Please also note, Letters of Assurance are routinely available on a fee for service basis from the Property Research section of the Development, Building & Licensing Department. To access these records please contact Property Research at property.research@vancouver.ca.

Please see the following link which also provides more information on obtaining property records:

<https://vancouver.ca/home-property-development/request-property-research-and-copies-of-permits.aspx>.

Under Part 5 of the Act, you may ask the Information & Privacy Commissioner to review any matter related to the City's response to your FOI request by writing to: Office of the Information & Privacy Commissioner, info@oipc.bc.ca or by phoning 250-387-5629.

If you request a review, please provide the Commissioner's office with: 1) the request number (2025-593); 2) a copy of this letter; 3) a copy of your original request; and 4) detailed reasons why you are seeking the review.

Yours truly,

Kevin Tuerlings, FOI Case Manager, for

[Signed by Kevin Tuerlings]

Cobi Falconer, MAS, MLIS, CIPP/C
Director, Access to Information & Privacy

If you have any questions, please email us at foi@vancouver.ca and we will respond to you as soon as possible. You may also contact 3-1-1 (604-873-7000) if you require accommodation or do not have access to email.

Encl. (Response Package)

:pm

DEVELOPMENT AND/OR BUILDING PERMIT APPLICATION FORM

INSTRUCTIONS

- Have a permit account. Register at vancouver.ca/permit-apply.
- Apply or ask questions at vancouver.ca/contact-dbl.
- Provide the required documents in the checklists: vancouver.ca/building-checklists.
- Provide a building grades survey and design, if required. Check at vancouver.ca/building-grades.
- Pay fees.
- For sewer connection requirements email eng.swpermits@vancouver.ca. A sewer connection is needed for new buildings, new foundations, extensive renovations or additions. Refer to Sewer & Watercourse By-law, Sec. 2.2 New Public Sewer Connection for Construction (vancouver.ca/sewer-by-law) and Vancouver Plumbing By-law, Div. B, Sec. 2.1.2 Service Connections (bccodes.ca/vancouver-bylaws.html).

Building a new duplex, single detached house, or laneway house?

Apply with the interactive form at cov.service-now.com/csp. The form helps you make a complete application with required documents specific to your property.

PART A – SITE INFORMATION AND DISCLOSURE

Address and street name: 8370 Cartier St. Vancouver		Unit number(s):	
Legal description	Lot(s): 46	Block(s): B	Plan number(s): 15074
Is there an existing driveway? <input type="radio"/> Yes <input checked="" type="radio"/> No	Is the lane adjoining this site physically open for use? <input checked="" type="radio"/> Yes <input type="radio"/> No		
Is this site registered at BC Land Title & Survey Authority? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this a new subdivision? <input type="radio"/> Yes <input checked="" type="radio"/> No		
Has the property been used for any industrial or commercial activities in Schedule 2: Contaminated Sites Regulation? <input type="radio"/> Yes <input checked="" type="radio"/> No			
View gov.bc.ca and search "Schedule 2: Contaminated Sites Regulation".			

PART B – PROPOSED SCOPE OF WORK

Related permits and application, if applicable.			
Development (DP):	Building (BP or DB):	Board of Variance appeal:	Minor amendment:
Describe the proposed work. Demolition and abatement of the former David Lloyd George Elementary School			
Select all scopes that apply to the proposed work.			
<input type="checkbox"/> Construct new principal building	<input type="checkbox"/> Legalize existing secondary suite	<input type="checkbox"/> Upgrade:	
<input type="checkbox"/> Construct new laneway house	<input type="checkbox"/> Add new secondary suite	<input type="checkbox"/> Accessibility	
<input type="checkbox"/> Construct new garage, carport, shed, or other accessory building	<input type="checkbox"/> Alter grade (raise or lower)	<input type="checkbox"/> Structural upgrade (seismic)	
<input type="checkbox"/> Add to existing building	<input type="checkbox"/> Alter landscape or site	<input type="checkbox"/> Fire sprinkler systems	
<input type="checkbox"/> Alter/renovate existing building:	<input type="checkbox"/> Install pool, over-height fence, tennis court, solar panels or similar item	<input type="checkbox"/> Elevator(s)	
<input type="checkbox"/> Interior	<input type="checkbox"/> Place prefabricated structure on site	<input type="checkbox"/> Fire alarms	
<input type="checkbox"/> Exterior	<input type="checkbox"/> Relocate building(s) from another site	<input type="checkbox"/> Install mechanical kitchen exhaust, roof top unit, satellite dish	
<input type="checkbox"/> Building envelope repair	<input type="checkbox"/> Relocate building(s) on same site	<input checked="" type="checkbox"/> Demolish building – conventional	
<input type="checkbox"/> Change of use/occupancy	<input type="checkbox"/> Repair fire/flood damage	<input type="checkbox"/> Demolish building – deconstruction	
<input type="checkbox"/> Enclose balcony		<input type="checkbox"/> Other:	
Select all building systems that you will alter, repair, or install.			
<input type="checkbox"/> Drain tile	<input type="checkbox"/> Fire alarm	<input type="checkbox"/> Mechanical (Heating/cooling)	<input type="checkbox"/> Sprinkler
<input type="checkbox"/> Electrical	<input type="checkbox"/> Gas	<input type="checkbox"/> Plumbing	
Apply for trades permits online at vancouver.ca/permit-apply . Review requirements at vancouver.ca/permit-info .			
Estimated value of building construction, including cost of plans, materials, labour: s.17(1)(b)		Net floor area (sq ft or m2): 45,000 sq.ft.	

Continued on next page

Use(s)

Describe the existing or current use(s) of the building(s) or unit(s):
Former Elementary School

Describe the proposed use(s) of the building(s) or unit(s):
New school is already built and operational

Will the building be converted to strata-title ownership?
 Yes – Email subdivision@vancouver.ca before applying.
 No

PART C – HOUSING, IF APPLICABLE

Existing housing

Will you demolish, redevelop, or alter existing residential units?
 Yes – Answer C1, C2, and C3.
 No – Go to C4.

C1 Are or were any existing units a residential rental accommodation* ?
 Yes – Provide the Rental Screening Form in your application (vancouver.ca/rental-screening-form).
 No

C2 Number of units to be demolished or redeveloped, by type of unit:		C3 Number of dwelling units* to be demolished or redeveloped, by type of tenure:				
		Number of studio units	Number of 1 bed units	Number of 2 bed units	Number of 3+ bed units	
	Number of units	Ownership				
Dwelling units* (own bathroom, own kitchen)		Rental – laneway house*				
Housekeeping units* (shared bathroom, own kitchen)		Rental – secondary suite*				
Sleeping units* (shared bathroom, no kitchen)		Rental – co-op housing				
		Rental – secured market rental housing, social housing, seniors' supportive or independent living housing*				

Proposed housing

C4 Will you propose new residential units?
 Yes – Answer C5 and C6.
 No – Go to Part D.

C5 Number of proposed dwelling units*:

C6 Number of proposed dwelling units* by type of tenure:		Number of studio units	Number of 1 bed units	Number of 2 bed units	Number of 3+ bed units
		Ownership			
	Rental – laneway house*				
	Rental – secondary suite*				
	Rental – co-op housing				
	Rental – secured market rental housing, social housing, seniors' supportive or independent living housing*				

*** Definitions and information**

- Housing unit type and tenure definitions: refer to Zoning & Development By-law Sec. 2 at vancouver.ca/zd-bylaw-sec2
- Sleeping, housekeeping, and dwelling unit info: refer to Zoning & Development By-law Sec. 11 at vancouver.ca/zd-bylaw-sec11
- We collect and report housing unit counts for the Province of BC. Refer to Housing Supply Act at vancouver.ca/housing-supply-act
- Tenant Relocation & Protection Policy: vancouver.ca/protecting-tenants
- Rental Housing Stock Official Development Plan: vancouver.ca/rental-odp
- Housing questions? Email housingregulation@vancouver.ca

Continued on next page

PART D – CONTACT INFORMATION

Applicant

<input type="radio"/> Property owner <input checked="" type="radio"/> Agent for owner – Provide your own contact info here, then add the owner's contact info in section D1.			
Permit account email: The one you use to log into vancouver.ca/permit-apply . dan@clearviewdemo.ca			
Company name:	First name:	Last name:	
Clearview Demolition Ltd.	Quentin	Segal	
Address:	City:	Province:	Postal code:
8285 Lickman Road	Chilliwack	BC	V2R 3Z9
Email:	Phone:		
If different than above. quentin@clearviewdemo.ca	778-846-0311		

D1 Owner(s) – if you're the agent for owner, answer this section to provide the owner's information

Company name:	First name:	Last name:
Board of Education of School District No. 39	Natasha	Saksman
Email:	Phone:	Alternate phone:
nsaksman@vsb.bc.ca	604-713-4858	604-842-3648

Contractor – all contractors need a valid business licence

Company name:	First name:	Last name:
Clearview Demolition Ltd.	Quentin	Segal
Email:	Phone:	City of Vancouver or Inter-Municipal Business Licence #:
quentin@clearviewdemo.ca	604-792-3330	25-104511

Tenant, if applicable

Company name:	First name:	Last name:
Email:	Phone:	City of Vancouver or Inter-Municipal Business Licence #:

Job/site contact, if applicable

Company name:	First name:	Last name:
Clearview Demolition Ltd.	Quentin	Segal
Email:	Phone:	Alternate phone:
quentin@clearviewdemo.ca	778-846-0311	604-792-3330

Demolition contractor, if applicable – all contractors need a valid business licence

Company name:	First name:	Last name:
Clearview Demolition Ltd.	Quentin	Segal
Email:	Phone:	City of Vancouver or Inter-Municipal Business Licence #:
quentin@clearviewdemo.ca	778-846-0311	25-104511

Qualified professional, if your application includes hazardous materials abatement

Company name:	First name:	Last name:
Alliance EHS Consulting Inc.	David	Kwan
Email:	Phone:	City of Vancouver or Inter-Municipal Business Licence #:
david@allianceEHS.com	778-697-2261	25-139958

PART E – APPLICANT DECLARATION

- I hereby acknowledge that the owner has full rights to all information, documents, and plans associated with this application.
- I have verified that the information contained in this document and associated applications and plans is correct, and describes a use, a building or work that complies with all relevant by-laws and statutes.
- The information provided may be shared and published in accordance with the Freedom of Information and Protection of Privacy Act (FIPPA), which is primarily intended to protect personal information. However, the associated applications and plans include information that is not protected – and will be made publicly available during the development permit or building permit application process.
- As the owner's agent, if applicable, I hereby declare I am acting on behalf of the owner.
- I acknowledge that responsibility for by-law compliance rests with the owner and the owner's employees, agents and contractors.
- I will indemnify and save harmless the City of Vancouver, its officials, employees, and agents against all claims, liabilities, and expenses of every kind, in respect to anything done or not done pursuant to this application or fact sheet or ensuing permit or permits, including negligence and/or the failure to observe all by-laws, acts, or regulations.

DISCLAIMER: Typing your name or inserting your signature electronically is a legal written signature.

Applicant signature: (typed electronic, inserted electronic, or written signature)	Date:
<i>Quentin Segal</i>	September 11, 2025

APPENDIX N

Title: Arborist Report - Tree Management for BP Application (Demolition)
Prepared by: **ACL Group Enterprises Ltd.**
Dated: February 23, 2023

ARBORIST REPORT

TREE MANAGEMENT FOR BP APPLICATION (DEMOLITION)

ISSUANCE DATE: **February 23, 2023** REVISION # **0**
ISSUED FOR: **BP (Demo) Permit Application and Tendering**
PREPARED FOR:

Natasha Saksman
Vancouver School Board
c/c Vancouver Project Office
1580 West Broadway
Vancouver, BC V6J 5K8

SUBJECT SITE:

8370 Cartier St Vancouver BC
David Lloyd George Elementary Seismic Project
Demolition of Original School

ACL FILE: **18240**

CITY FILE: **TBD**

PREPARED BY:

Norman Hol
Principal and Senior Consultant

BACKGROUND

The subject site is comprised of the original school building that we understand is intended to be demolished, including salvage and abatement and recycling. This office conducted a site investigation initially in 2008, and we have been providing Project Arborist consulting services through the construction of the new replacement school. A recent site visit was undertaken to review the current condition of the trees within proximity of the existing original school on January 24, 2023.

Figure 1. Aerial Photo of the Subject Site





This report has been prepared in accordance with provisions in the City of Vancouver Tree Protection Bylaw No. 9958.

The municipal building permit (including demolition permits) and tree permit processes require that existing trees be considered for preservation with context to the proposed works, and retained where possible and practical. It is also incumbent on the project to provide adequate protection for municipal owned trees in the street frontages as well as off-site private located in close proximity to the site. To assist the project in meeting the municipal requirements, we have compiled a record of trees required to be retained/protected and removed to accommodate the demolition, and developed specifications for responsible tree retention, protection and removal.

As a condition of development approvals the municipality requires proof of contract with the project arborist confirming that they are retained to direct tree protection compliance, implementation of measures and completion of prescribed treatments in the form of a Letter of Assurance. The municipality also requires our sign off at the end of the project confirming that those measures have been fully met before occupancy and/or release of any tree protection bonds or securities held by the municipality. The responsibilities of the owner and their contractors are outlined in the proof of contract document (see appendix E), which must be signed before submittal.

Reference Documents relied upon by the consultant in the preparation of this report:

- Topographic and Tree Location Survey source; McElhanney, dated Nov 20, 2019
- Demolition and Landscape Plan source; Prospect and Refuge, dated January 18, 2023

NOTE: This report is only relevant to the version dates of the reference documents listed above. If any of those designs are advanced or revised beyond the noted version date, then this report is no longer valid. In order to ensure relevance to the applicable phase of application or the intended use and reference of the report findings, this report may require revision or updating to coordinate with the current designs as they advance. It is the responsibility of the client to provide this office with updated design drawings and/or any other project details that may affect our tree preservation findings, as and when they become available, to enable tree protection compliance review and/or to resolve any previously unforeseen tree impacts and mitigation that may be necessary.

METHODOLOGY

Our site and tree assessment included a review of site conditions and an assessment of the existing trees via direct visual inspection which includes tagging or assigning an identification number, collection of pertinent tree data such as species, size (i.e. trunk diameter, height and spread), the current condition (health and structure), the age class, the structural class, visual presence/absence of tree disease and site specific details.

We have assigned retention suitability rankings for tree preservation planning context. These rankings are notwithstanding the proposed design and site coverage of the project and are described as follows:

- **Priority 1** – denotes trees in good to excellent condition, are tolerant of indirect construction impacts, and deemed by the assessor as highly valued candidates for preservation. These tree are expected to have strong long term prospects for survivorship if the project can reasonably accommodate the specified protection measures and treatments.
- **Priority 2** – denotes trees in fair condition with correctable or minor defects and/or with moderate aesthetic or functional impairments and/or have moderate tolerances for indirect construction impacts, and that present acceptable value for retention. These trees can reasonably be expected to survive the rigours of construction, conditional to compliance with protection measures and completing corrective treatments.
- **Low Priority** – denotes trees in poor or worse condition, have significant pre-existing health or structural impairments, and/or that are intolerant of the unavoidable indirect impacts from construction in their vicinity. These trees are predictably expected to pose risks of failure or mortality relative to the general site changes from the development and have nil retention suitability.

We have overlain the proposed design on our tree management drawing to develop specifications for tree retention, protection and removal. Our findings are summarized in report sections herein, and in the report appendices.

NOTE: This report is not intended as a tree risk report, however the structural form as well as the presence and severity of



defects were factors in our tree assessment. Based on Tree Risk Assessor Qualification (**TRAQ**) Level 1 – Limited Visual Assessment methods protocols, if we observe any trees within the study area that are imminently posing risk to current targets in the existing land uses, they are brought to the attention of the owner for consideration of further assessment and/or action.

TREE PRESERVATION ANALYSIS AND FINDINGS

Considering our tree condition findings, and after careful review of the supplied project design, we have used our experience and knowledge to anticipate the demolition related impacts. From this process we have developed a proposed tree retention and removal scheme including tree protection setbacks and measures. Refer to the report appendices for additional details, tree location reference, and additional specifications.

The proposed treatment of trees subject trees is as summarized by location as described below.

ON-SITE TREES:

Proposed Retention of 14 On-Site Trees:

- Tree Tag/ID's:
399, 400, 401, 402, 403, 408, 409, 410, 411, 413, 414, 415, 416 and 500
- Retained trees will require protection measures implemented as specified for the duration of demolition.
- Two retained trees (408 and 500) are located within the defined work area, and require individual barriers installed for each of them.
- The remainder of the retained trees can be protected by the installation of site safety hoarding and/or temporary tree protection barrier aligned along the proposed work area as shown on the tree management drawing. This will enable those retained trees to be adequately protected, and for the park area to remain functional and accessible.

Proposed Removal of 5 On-Site Trees:

- Tree Tag/ID's:
404, 405, 406, 407 and 417
- These trees cannot be safely retained due to their reliance on the existing school building and foundation for structural stability, and the removal of that structure which will render the trees destabilized and high risk.

CITY TREES:

Proposed Retention of 1 City Tree:

- Tree Tag/ID's: C01
- Retained trees will not require protection barriers due to its location being well setback from the work area.

Proposed Removal of 0 City Trees:

NEIGHBOUR TREES:

No neighbour trees are in proximity of the work area.



TREE RETENTION AND REMOVAL SUMMARY

Table 1. Tree Retention/Removal by Ownership

Ownership:	SubTotal:	Remove:	Retain:
<i>On-Site Trees</i>	19	5	14
<i>City Street Trees</i>	1	0	1
<i>Neighbour Trees</i>	0	0	0
TOTALS	20	5	15


TREE REPLACEMENT

Tree replacement requirements will be confirmed by the municipality in relation to their policies. The municipality requires one or two replacement trees for each bylaw tree to be removed (1:1 or 2:1 quota), depending on the species selected for replacement. We recommend limiting the quantity of trees to an appropriate quantity relative to the available space for planting and meeting arboricultural best management practices. The replacement trees must meet city requirements for minimum size at planting (i.e. 6 cm calliper for deciduous species and 3.5 m height for coniferous species) and other criteria.

STANDARDS OF WORK FOR TREE TREATMENTS

The methods to undertake any *Tree Work* (i.e. cutting/removal and rigging operations, pruning, hardware installation, lightning protection, IPM, etc) should conform to ANSI A300 and ANSI Z133 standards and best management practices, as well as applicable WorksafeBC regulations and standards. The scope and specifications for all tree work is to be directed by the project arborist from this office and undertaken by a *Qualified Tree Worker* who is an ISA Certified Arborist, TRAQ qualified and who is competent in assessing the structural soundness of the tree relative to the proposed tree work activities. The tree worker should also be well experienced with spurless climbing and technical rigging techniques that are being utilized. Operational decisions to be made in the performance of tree work are at the sole discretion of the tree service worker to carry out those works properly and meeting the required standards for safety.

Where overhead power lines are near to the subject tree(s), the tree worker must consider the safety setbacks and protocols related to the conductors, as specified by the power utility company. If applicable, consult with that utility in advance to determine whether a Certified Utility Arborist (CUA) is required to direct the planned tree work and/or any other measures.

<p>Certified by;</p>  <p>Norman Hol, Principal and Senior Consultant</p>	<p><u>Qualifications of the Author:</u> ISA Certified Arborist #PN-0730A ISA Qualified Tree Risk Assessor (TRAQ) PNWISA Certified Tree Risk Assessor #0076 BC Certified Wildlife Dangerous Tree Assessor (Parks) #P2529 ASCA Qualified Tree and Plant Appraiser (TPAQ) Land Surveying Technologist</p>
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Enclosures;

- APPENDIX A – TREE LIST FOR DEMOLITION
- APPENDIX B – LETTER OF ASSURANCE FOR DEMOLITION
- APPENDIX C – TREE MANAGEMENT DRAWING
- APPENDIX D – TREE PROTECTION ZONE SPECIFICATIONS



Assumptions and Limiting Conditions:

- This report was prepared for the client as addressed herein. Upon receipt of payment in full for our account, this report will become the property of the client. This report is intended for the exclusive use of our client in its entirety. Arbortech shall not accept any liability derived from partial, unintended, unauthorized or improper use of this report.
- This report is restricted only to the subject trees as detailed herein, and no other trees were inspected or assessed and our findings are not meant to infer that other trees are healthy and sound.
- The inner tissue of the trunk, stems, limbs and roots are hidden within the tree and the majority of a trees' root system is hidden below ground. Our tree assessments are limited to relying upon visual inspection of the tree parts and, where applicable, utilizing basic non-destructive testing methods such as probing and sounding to identify potential structural defects. Trees utilize adaptive growth strategies in response to their growing site conditions to sustain their structural integrity and their health and their response growth can compensate for structural impairments, however the results of those growth responses may mask defects from visual detection. Using our experience and training we carefully inspect the tree for indicators of internal defect. Where applicable, subject to the discretion of the client, we may have utilized advanced and minimally invasive testing methods to determine the severity of certain observed defects to the extent possible. Our defect analysis considers the mitigating effects of response growth and common weather conditions in the region when we are rating the probabilities for tree failure.
- The client is advised that not all defects can be detected or reliably assessed through available non-destructive or minimally invasive methods, and that the forces acting upon trees during extraordinary and extreme weather are unpredictable. During uncommon storm events any tree, healthy or not, has a risk of failure. For these reasons, we do not guarantee or warrant that an assessed tree is free of defect or that it will not fail.
- The ownership of trees is determined based on the location of the trunk where it emerges from the ground relative to the property line. If a part of the trunk at ground level crosses over a property line, then it is deemed to be jointly owned by those property owners. The client is advised that the accurate determination of tree ownership may require the advice from a duly qualified professional surveyor.
- Third party information may have been relied upon in the formation of the opinion of the consultant and in the preparation of this report. We have verified that information to a reasonable extent of our capabilities to assume it to be reliable, however we do not warrant that third party information to be true and correct.
- The use of maps, sketches and diagrams (figures) are intended for reference by the reader in understanding our findings, and are not intended as a representation of fact. These figures shall not be used in determining property lines, ownership or project layout.
- Permits, approvals or authorizations from a municipality and/or a regulatory agency may be required prior to carrying out treatments that may be proposed in this report. The client is responsible for the application, related fees and costs, and meeting all requirements and conditions for the issuance of such permits, approvals or authorizations. If a tree located on or partially within adjacent lands is proposed for treatment, consent from the tree owner is required.

TREE INVENTORY FOR DEMOLITION PHASE

Tree Inventory Legend:

Tag/ID denotes the serial numbered aluminum tag affixed to the tree or a reference ID as referenced in report and on tree management drawing.

Loc denotes the ownership of trees based on the survey and project plans provided; **ON** = On-Site, **SHARED** = On-Site tree straddling PL, **OFF** = Neighbour Tree, or **CITY**

Dbh denotes dia of the trunk in cm at 1.4 m above grade or to arboricultural standards (i.e. below scaff union). Multiple stems above the root crown are used to calculate dbh based on trunk area method. Multiple stems attached into the root crown references the largest stem. DBH may be estimated or derived from survey data.

Ht denotes the height of the tree in metres as measured or estimated by the assessor.

Spr denotes the spread RADIUS of the branches and foliage (dripline) in metres as measured or estimated by the assessor.

LCR denotes the live crown ratio based on percent of live crown observed in relation to a tree of normal form and with a full crown.

Class denotes the structural class of a tree growing in Landscape (**OPEN, GROVE, or EDGE**)

Suitability for retention considers condition, age class, species, tolerance of disturbance, etc. ; **U** denotes Unsuitable, **C** denotes Conditional, **S** denotes Suitable

Contribution rating considers location, contribution and landscape function the tree may provide to the proposed land use; **L** denotes Low, **M** denotes Medium, **H** denotes High

Priority denotes a preservation ranking for consideration in tree retention planning, combining the suitability and contribution.

Assessment Findings summary description of overt defects and noteworthy growing condition factors, as well as preservation and protection considerations.

Action denotes proposed treatment in context to the current project design; **RETAIN, REMOVE or PROTECT**. Shared and Off-Site trees proposed as REMOVE require owner consent.

CPZ and **RPZ** are arborist assigned setbacks for Crown and Root protection. Along with the working space setback (WSS), they form the tree protection zone (TPZ).

Tag/ID	# of Trees	Loc	Common name, (Botanical)	Dbh	Ht	Spr	LCR	Class	Suitability	Contribution	Priority	Assessment Findings	Action	Rationale	CPZ	RPZ
399	1	ON	Cherry plum (Prunus cerasifera)	20	6	3.0	70	GROVE	C	L	2	• Column of decay in the lower trunk that will eventually lead to strength loss of concern, but the structure is not appearing to be significantly impaired at this time.	RETAIN	OUTSIDE WORK AREA	4.0	
400	1	ON	Red oak (Quercus rubra)	142	30	15.0	80	GROVE	C	H	1	• This tree has asymmetry toward the west due to proximity and competition from an adjacent tree.	RETAIN	OUTSIDE WORK AREA	16.0	
401	1	ON	Red oak (Quercus rubra)	91	30	8.0	50	GROVE	C	H	1		RETAIN	OUTSIDE WORK AREA	9.0	
402	1	ON	Red oak (Quercus rubra)	114	30	8.0	70	GROVE	C	H	1		RETAIN	OUTSIDE WORK AREA	9.0	
403	1	ON	Red oak (Quercus rubra)	84	30	8.0	70	GROVE	C	H	1		RETAIN	OUTSIDE WORK AREA	9.0	
404	1	ON	Western redcedar (Thuja plicata)	39	15	2.0	90	OPEN	U	L	NIL	• Located directly adjacent to the existing school with asymmetric crown and dependency on the building for windfirmness.	REMOVE	DESTABILIZING IMPACTS FROM BUILDING DEMO		
405	1	ON	Japanese maple (Acer palmatum)	16	5	4.0	70	OPEN	C	M	2	• DBH of a single stem equivalent is calculated based on the area of measured stems (7+7+9+9cmø) at 1.4m above grade for protection setback calculation purposes. • Poor vigour. • Constrained growing site adjacent to building and stairs.	REMOVE	DESTABILIZING IMPACTS FROM BUILDING DEMO		

TREE INVENTORY FOR DEMOLITION PHASE

Tag/ID	# of Trees	Loc	Common name, (Botanical)	Dbh	Ht	Spr	LCR	Class	Suitability	Contribution	Priority	Assessment Findings	Action	Rationale	CPZ	RPZ
406	1	ON	Western redcedar (Thuja plicata)	38	15	2.0	90	OPEN	U	L	NIL	• Located directly adjacent to the existing school with asymmetric crown and dependency on the building for windfirmness.	REMOVE	DESTABILIZING IMPACTS FROM BUILDING DEMO		
407	1	ON	Western redcedar (Thuja plicata)	21	5	4.0	90	OPEN	U	L	NIL	• DBH of a single stem equivalent is calculated based on the area of measured stems (10+18cmØ) at 1.4m above grade for protection setback calculation purposes. • Located directly adjacent to the existing school with asymmetric crown and dependency on the building for windfirmness.	REMOVE	DESTABILIZING IMPACTS FROM BUILDING DEMO		
408	1	ON	Red maple (Acer rubrum)	24	8	4.0	80	OPEN	S	M	1		RETAIN	PROTECTION MEASURES	5.0	
409	1	ON	Japanese maple (Acer palmatum)	22	5	3.0	60		C	L	2	• DBH of a single stem equivalent is calculated based on the area of measured stems (7+9+13+14cmØ) at 1.4m above grade for protection setback calculation purposes. • Decay in stem. Small tree so risk is Low.	RETAIN	OUTSIDE WORK AREA	4.0	
410	1	ON	Japanese maple (Acer palmatum)	13	4	3.0	50		U	L	NIL	• DBH of a single stem equivalent is calculated based on the area of measured stems (5+5+6+6+6cmØ) at 1.4m above grade for protection setback calculation purposes. • Decay in stems. Small tree therefore risk is low.	RETAIN	OUTSIDE WORK AREA	4.0	
411	1	ON	English hawthorne (Crataegus laevigata)	27	7	4.0	70		C	M	2	• Decay in old old pruning wound, a future potential decay related defect. • Asymmetric crown toward the south.	RETAIN	OUTSIDE WORK AREA	5.0	
413	1	ON	Flowering cherry (Prunus serrulata)	33	7	6.0	70		C	M	2	• Surface roots at surface are damaged by mowers and minor decay is evident. This is a long term issue but not a concern at this time.	RETAIN	OUTSIDE WORK AREA	7.0	
414	1	ON	Red oak (Quercus rubra)	89	30	14.0	70		C	H	1	• Surface roots having impact on surrounding paved surfaces.	RETAIN	OUTSIDE WORK AREA	15.0	
415	1	ON	Red oak (Quercus rubra)	89	30	11.0	70		C	H	1	• Surface roots having impact on surrounding paved surfaces.	RETAIN	OUTSIDE WORK AREA	12.0	
416	1	ON	Red oak (Quercus rubra)	126	30	14.0	70		C	H	1	• Surface roots having impact on surrounding paved surfaces. • Noteworthy circling roots partially impacting the form and structure of the trunk on one side.	RETAIN	OUTSIDE WORK AREA	15.0	
417	1	ON	English holly (Ilex aquifolium)	28	3	1.0			U	L	NIL	• DBH of a single stem equivalent is calculated based on the area of measured stems (20+14+13cmØ) at 1.4m above grade for protection setback calculation purposes. • Topped at 3 m height and permanently impaired by improper pruning. This tree cannot be rehabilitated.	REMOVE	DESTABILIZING IMPACTS FROM BUILDING DEMO		



TREE INVENTORY FOR DEMOLITION PHASE

Tag/ID	# of Trees	Loc	Common name, (<i>Botanical</i>)	Dbh	Ht	Spr	LCR	Class	Suitability	Contribution	Priority	Assessment Findings	Action	Rationale	CPZ	RPZ
500	1	ON	Red maple (<i>Acer rubrum</i>)	22							1	Has grown to become bylaw sized since our initial site investigation of 2018.	RETAIN	PROTECTION MEASURES VIABLE		
C01	1	CITY	Flowering cherry (<i>Prunus serrulata</i>)	79	9	5.0	50		C	M	N/A • Low vigour.		PROTECT	OUTSIDE WORK AREA	6.0	



APPENDIX B: LETTER OF ASSURANCE

PROOF OF CONTRACT FOR ARBORIST ASSISTANCE DURING DEMOLITION

ISSUANCE DATE: **February 23, 2023**

ACL FILE: **18240 DEMO**

ISSUED TO: **Natasha Saksman – Vancouver School Board**

CITY FILE: **TBD**

SUBJECT SITE: **8370 Cartier St Vancouver BC
David Lloyd George Elementary Seismic Project
Demolition of Original School**

REF DOC.'S: **Tree Management Drawing Sheet 3, prepared by this office
(most current version Rev 6, Feb 23, 2023)**

Pursuant to city bylaws and/or policies; a duly executed copy of this Letter of Assurance (LOA) serves as confirmation that ACL Group Enterprises Ltd (the "Consultant"), is retained under contract to the **Owner** (the "Client") as **Project Arborists** (the "PA") to provide arboricultural consulting and field services for the duration of the site preparation and construction phase at the above noted project to assist the Client in remaining compliant with the tree protection requirements.


By signing below, the owner and their prime or general contractor agree to the responsibilities associated with fully implementing the Tree Protection Zones (TPZ) and related restrictions and measures, and to;

- furnish this office with IFC drawings and the construction logistics plan for pre-mobilization review,
- notify the PA of any mobilizations to the site with a minimum of two weeks advance notice,
- notify the PA in advance of any potential tree protection conflicts with construction work to resolve those proactively,
- ensure that the PA is provided 3 business days advance notice for attendance by the PA at required times,
- comply with any PA directed/supervised adjustments to the construction work, including implementing the use of low impact materials and methods, and conformance with arboricultural standards and best management practices,
- facilitate any remedial work or treatments that may be prescribed or required by the PA or the city,
- pay all costs associated with tree protection compliance measures or treatments, including any non-compliance penalties and remediation treatments required thereof,
- schedule an inspection by the PA at substantial completion of the project to enable final signoff of tree protection compliance (required for final or occupation permits to be issued by city and for tree protection bond release), and
- pay all fees of the Consultant at our current hourly rates, including portal to portal travel, on net 30 terms;

Owner:

Prime or General Contractor:

Project Arborist:

Authorized Signature:			
Date Signed:			February 23, 2023
Name:			Norman Hol
Company:			ACL Group
Phone:			General: 604-275-3484 ext 101
Email:			General: trees@aclgroup.ca



TREE PROTECTION – STANDARD SUPERVISION REQUIREMENTS:

The Client and their Contractor(s) are responsible to maintain the tree protection compliance through the entire construction term, and to arrange attendance of the PA to the site prior to and during certain work activities, generally as follows:

A. Barrier Installation:

To direct and inspect the tree protection barrier installation to our specifications and provide a barrier sign-off report.

B. Pre-Treatment of Trees:

To undertake or direct tree treatments (i.e. pruning, enhancements to the growing site, interim watering program and special measures) to prepare the trees and assist them in sustaining and adapting to the rigours of construction.

C. Pre-Construction:

To meet with the contractor in advance of any mobilization to the site to plan our on-site assistance to direct/supervise pre-construction works in and around TPZ's, such as but not limited to:

- site access and egress and installation of temporary power, site hoarding, site office or other infrastructure,
- service and utility decommissioning,
- demolition of structures or hardscapes,
- installation of ESC or stormwater management infrastructure,
- invasive plant controls, treatments or management,
- site clearing and tree removal including identification of retention trees and direction of low impact removal of trees, vegetation and stumps within the TPZ's as well as to reinspect retained trees after clearing for condition,
- preloading or site grading (as applicable), and
- installation of site hoarding, site office and temporary power.

D. Construction Phase:

To attend and assist with specific activities within or in close proximity of a TPZ to review design details that the Client deems may present conflicts with a TPZ, to assist in resolving project constructability challenges, to direct or undertake low impact methods of certain planned works, to implement the use of low impact materials, and/or to perform root pruning and to direct tree and root protection, concurrent with the following:

- on a regular monthly schedule or at an interval determined by the PA relative to the construction progress and activities,
- at any time when access within a CRZ, RPZ or CPZ is planned or executed,
- site grading (cuts or fills),
- excavations,
- trenching or overhead works related to services and utility installation,
- forming and concrete placing,
- scaffolding, craning or manlift operation,
- framing and building envelope finishing,
- all landscape works (see below), and
- at certain times as identified in the Special Measures section (see below).

E. PRIOR TO REMOVING BARRIERS – Landscape Finishing:

To review landscape drawings and subcontractor work plan including TPZ related limitations on methods and materials in advance of commencing those works and to provide on-site direction and guidance for the associated preparation works and construction of PA approved hardscape and soft landscape elements including but not limited to:

- sidewalks/paths,
- patios/decks/benches,
- retaining walls,
- fencing,
- irrigation/electrical conduit
- soil placement/plantings and grass/turf installation.

Note that certain landscape features may be excluded, may require an arboricultural aeration system, or will be limited to specific materials and methods that meet tree and root protection requirements. Planting of any plants, shrubs or hedges within a TPZ is restricted to small pot sizes such as "4 inch" and "#1", but these may vary depending on tree species and proximity to the tree. The "pocket planting" standards will apply via minimizing planting hole size, limited digging into existing grade to avoid damage to woody roots, and backfilled with minimal addition of growing medium.

F. Documentation:

To provide site review reports at certain milestones issued to; the owner/developer, the general contractor and the prime consultant, during the construction phase. Note that if non-compliance is observed, the PA is required by the city to report the non-compliance to them in the form of an impact and mitigation assessment which may require investigative work by the PA. A final sign off at substantial completion of the project is required.

APPENDIX D: TREE PROTECTION SPECIFICATIONS

1. REFERENCE DOCUMENTS AND CONTACT INFORMATION:

A component of the reference documents includes a Letter of Assurance (LOA) or Letter of Undertaking (LOU) to meet city requirements for arborist supervision during site works, with a mandatory requirement for the owner and their contractor(s) to comply with tree protection measures and specifications. For clarifications and coordination regarding tree protection, please contact this office, acting as **Project Arborist (PA)** for this project:

ARBORTECH CONSULTING (a division of ACL Group) PHONE: 604 275 3484 EMAIL: trees@aclgroup.ca

The following should be read in conjunction with the rest of the reference documents in the most current version of the **Tree Management Report, Drawing, Construction Impact Assessment or other Documents** prepared by this office.

2. TREE PROTECTION PROTOCOLS FOR DESIGN, CONTRACT MANAGEMENT AND CONSTRUCTION MANAGEMENT:

All project consultants must remain updated with the current tree protection specifications as they may be revised from time to time. If project consultant drawings and designs are revised they should be forwarded to this office for review by the PA. Tendering, IFC drawings (architectural, civil, landscape, mechanical, geo-technical, etc.) and construction work plans for all phases of construction (i.e. enabling works, general access/egress, site office, hoarding installation, demolition, ESC, and all site works) should be planned and implemented in accordance with the tree protection specifications herein and as per the reference documents. Any areas or trees that are not identified in these documents and/or where potential conflicts with the TPZ's are identified by the Client will require additional review by the PA in advance of proceeding with those works.

3. TREE LOCATIONS:

Tree locations and other data presented on the tree management drawing (see Appendix C of the reference document) are derived from the project topographical survey. The locations of trees that are not surveyed (if any) may be approximated by the project arborist. Non-surveyed retained or protected trees should be accurately located before any design or construction activity is planned in their proximity.

4. TREE PROTECTION BARRIERS:

Temporary tree protection barriers (fences) must be erected for retained and protected trees as specified on our drawing or adjusted to suit field conditions as approved by the PA. The PA should direct the installation of the barriers to troubleshoot. The PA must inspect and provide a sign off report to meet LOU/LOA specifications (and is required by city where applicable). Where interim barriers are specified, the contractor should be prepared to realign the barrier when and as directed by the PA conditional to certain measures and treatments prescribed by the PA. Where the barrier is aligned with a property line or a proposed design element, the project may require a survey to stake those reference items in advance to enable accurate barrier installation. Signs stating "TREE PROTECTION ZONE - NO ENTRY" must be placed on the tree protection fence at a suitable frequency and as directed by the PA. The contractor, sub-contractors and trades should all be made aware of the tree protection zone restrictions (see below). The barriers must be maintained in good condition at those alignments, and may not be removed or realigned for any reason (including access for workers and especially for landscaping phase), except when prior approval from the PA is obtained.

5. TREE TREATMENT, ENHANCEMENT AND SPECIAL MEASURES:

Prior to or during the course of construction the project is responsible to complete or enable enhancement or remedial tree treatments, and proactive tree protection measures for retained and protected trees that may be specified by the PA from time to time, such as:

- Pruning for risk mitigation, crown restoration, form, building or overhead clearance, and/or sight lines,
- Pre-treatments such as root mapping, vertical aeration, advance root pruning, conversion to soft landscape, etc,
- Installation of soil amender (i.e. mulch) within the **RPZ** to mitigate soil desiccation and to improve soil fertility,
- Interim supplemental watering to compensate for soil hydrology changes,
- Low impact removal of plants or stumps located within a **TPZ** (i.e. stump grinding or cutting with PA supervision),
- Installation of drainage infrastructure along the perimeter of the TPZ to prevent storm water accumulation within,
- Windfirming treatments of new forest edges created by clearing of the development lands, including; re-assessment, tree removals, pruning, modification to wildlife tree, or other treatments as specified by the PA, and
- Installation of interim soil protection and load distribution measures for personnel or equipment access, where feasible.

Note that any PA authorized tree pruning will require on-site direction from the PA and must be completed by a tree service firm employing Arborists who are ISA Certified and TRAQ Qualified in compliance with ANSI A300 and ANSI Z133 Standards. Pruning to reduce the height or size of retained trees (topping or heading) and pruning to excessively raise the crown of a tree CANNOT be undertaken. Pruning of any city, shared or neighbour trees requires consent from tree owner.

6. RESTRICTIONS WITHIN TREE PROTECTION ZONES:

Retained and protected trees must have measures in place to prevent damage being incurred to those trees from site works during all phases of the project. Any access within a TPZ requires advance approval and on-site direction/supervision by the PA, and implementation of measures to be specified by the PA. Except where permitted by the PA, and conditional to certain measures being implemented the project shall ensure that there is:

- No soil disturbance of any scope or to any depth, including; over-excavation for working space to construct a design element, cuts or fills for grade transitions, trenches for services/utilities, excavation of any scope including overburden stripping and



- deeper excavations (i.e. buildings, retaining walls, sidewalks, patios, planting holes for new trees or plants, etc),
- No passage or operation of equipment, machinery, trucks, vehicles of any size or type (whether on tracks or tires),
- No storage of materials, soil, gravel, construction supplies, materials, excavation spoil, waste, etc.,
- No accumulation of storm water or standing water conditions,
- No waste or washing of concrete, stucco, drywall, paint, or other chemicals or materials that are deleterious to soil or roots,
- No placement of temporary structures, services or utilities,
- No affixing lights, signs, cables or any other devices to tree parts (i.e. trunk or branches),
- No pruning or cutting of any part of a retained tree,
- No landscape finishing, except certain planned landscape works that have prior approval and scheduled supervision by the PA.

7. DEMOLITION OR PRE-CONSTRUCTION OPERATIONS:

Municipalities vary in whether they will approve tree removals at the demolition phase. In cases where a tree removal or cutting permit is not issued in conjunction with the demolition or other pre-construction site works, there may be a need to obtain an early tree permit to remove risk trees from pre-existing defects or that will be made high risk from unavoidable demolition impacts. Certain areas of work may require low impact methods of work by the contractor. Tree protection barriers may also need to be realigned after those works. The contractor must coordinate with the PA to review, plan and direct those works accordingly.

8. TREE REMOVAL/CLEARING OPERATIONS:

Tree removal or cutting permits (where applicable) including tree owner consent for city or neighbour trees, must be issued before commencing tree removal or clearing works. A copy of these documents must be provided to the PA for our review and reference. A pre-work meeting with the PA is strongly recommended to review their work plan, mark/identify retained trees, identify removal trees requiring low impact methods or measures, and to ensure contractor compliance with the tree protection specifications. Note that certain trees requiring removal may not be shown or referenced on the drawing or documents prepared by this office (i.e. undersize or non-bylaw trees or untagged trees assessed in groups in our documentation). For the removal of any trees that are located in proximity of overhead power lines, the contractor is required to retain a Certified Utility Arborist (CUA) to determine appropriate measures from the utility company.

9. CONSTRUCTION OPERATIONS:

The contractor (project manager/site superintendent and/or other key personnel) should be apprised of the LOA/LOU, and are encouraged to schedule a tree protection specific pre-construction meeting with the PA to; review IFC drawings, establish communication and procedural protocols, review responsibilities for tree protection measures at specific milestones of the project and identify and resolve any anticipated tree protection related constructability challenges. While we strive to be as comprehensive as possible in our tree protection planning, it is acknowledged that certain unpredictable construction conflicts with a TPZ may arise. Any proposed encroachment into a TPZ and/or changes to the tree retention scheme are subject to approval in advance by the PA and the municipality (where applicable). Certain measures required for tree protection compliance related to construction work in the **CPZ** or within an **RPZ** may be required in order to accommodate PA accepted and managed encroachments into a **TPZ**, such as but not limited to:

- Undertaking root mapping by the PA,
- Armouring the soil within the **RPZ** to accommodate temporary worker or equipment passage,
- Utilizing low impact trenching via air-vac or hydro-vac with air spade assistance, by the PA or with PA supervision, to accommodate underground services or utilities. Feasibility of these measures is limited based on PA review of; the intended scope of work, duration of encroachment, type of equipment or access, proximity to a tree, scope of pruning that may be necessary, width/depth of trenching and related shoring needs, tree species, site/soil conditions and other factors.

10. LANDSCAPING OPERATIONS:

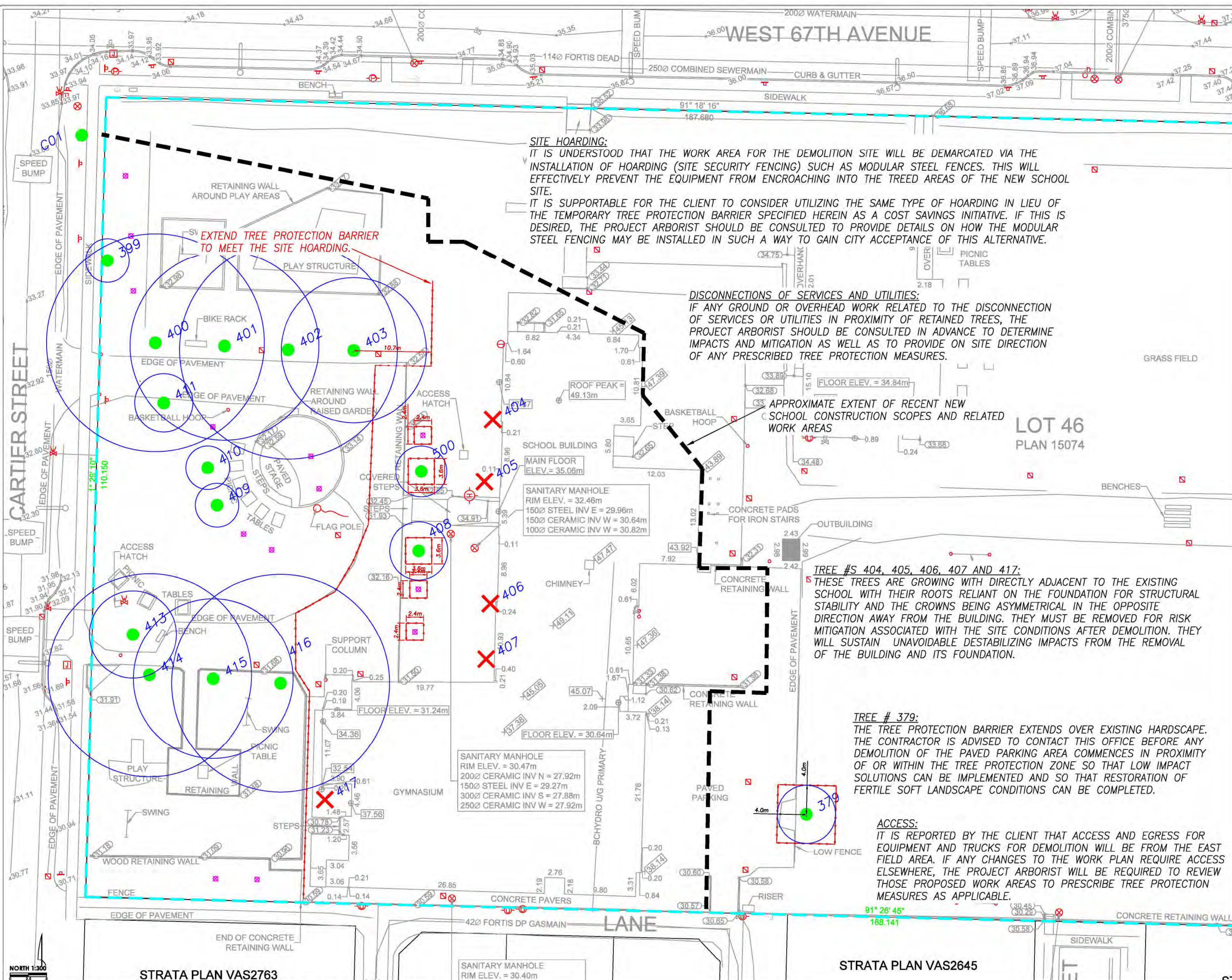
A pre-landscape meeting between the landscape contractor and the PA is required to review their work plan relative to retained/protected trees in advance of the removal of the tree barriers. The operation of equipment of any size or type, the placement of growing medium, all grading and site preparation for permitted hard landscape features within a TPZ (i.e. sidewalks and patios), site preparation for retaining walls and footings, excavation for fences, signs and other landscape features, digging of planting holes for new plants and trees, the digging of trenches for irrigation, drainage and lighting infrastructure, and the placement of soft landscape finishing, are all activities that have high potential for causing damage to trees, roots or soil. Advance of PA attendance concurrent with certain activities, are necessary in order to avoid tree protection non-compliance and bylaw issues.



TREE INVENTORY FOR DEMOLITION PHASE

Tree Inventory Legend: TAG/ID denotes the total numbered aluminum tag affixed to the tree or a reference ID as referenced in report and on tree management drawing...

Table with columns: TAG/ID, Species, DBH, Height, Location, Assessment Findings, Action, Retention, and C/P. Lists various trees like Western redcedar, Cherry plum, Red oak, etc.



SITE HOARDING: IT IS UNDERSTOOD THAT THE WORK AREA FOR THE DEMOLITION SITE WILL BE DEMARCATED VIA THE INSTALLATION OF HOARDING (SITE SECURITY FENCING) SUCH AS MODULAR STEEL FENCES...

DISCONNECTIONS OF SERVICES AND UTILITIES: IF ANY GROUND OR OVERHEAD WORK RELATED TO THE DISCONNECTION OF SERVICES OR UTILITIES IN PROXIMITY OF RETAINED TREES...

APPROXIMATE EXTENT OF RECENT NEW SCHOOL CONSTRUCTION SCOPES AND RELATED WORK AREAS

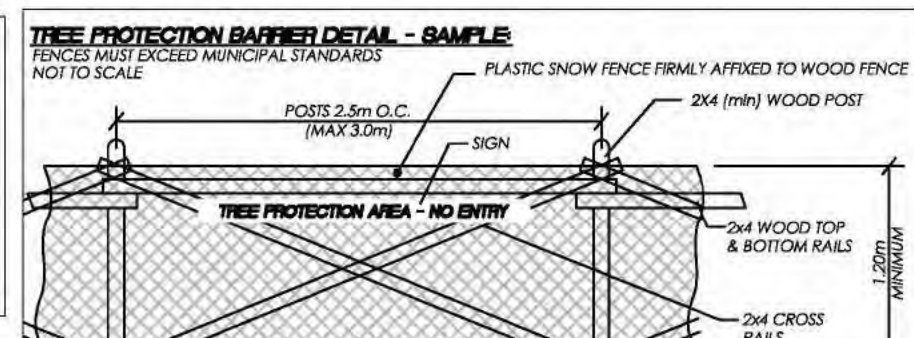
TREE #S 404, 405, 406, 407 AND 417: THESE TREES ARE GROWING WITH DIRECTLY ADJACENT TO THE EXISTING SCHOOL WITH THEIR ROOTS RELIANT ON THE FOUNDATION FOR STRUCTURAL STABILITY...

TREE # 379: THE TREE PROTECTION BARRIER EXTENDS OVER EXISTING HARDSCAPE. THE CONTRACTOR IS ADVISED TO CONTACT THIS OFFICE BEFORE ANY DEMOLITION OF THE PAVED PARKING AREA COMMENCES...

ACCESS: IT IS REPORTED BY THE CLIENT THAT ACCESS AND EGRESS FOR EQUIPMENT AND TRUCKS FOR DEMOLITION WILL BE FROM THE EAST FIELD AREA. IF ANY CHANGES TO THE WORK PLAN REQUIRE ACCESS ELSEWHERE...

TREE RETENTION AND PROTECTION FOR S&A AND DEMOLITION

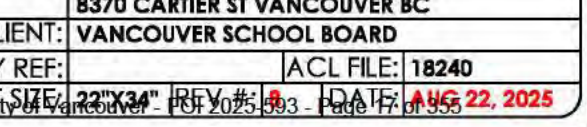
- LEGEND-TREE MANAGEMENT IN DEVELOPMENT AREA: See arborist report for further details. TAG NUMBER OR ID REFERENCE...



- DRAWING USE AND COORDINATION: This drawing refers to information and drawings supplied by the client or their consultants. Refer to original drawings from the consultants...

ISSUED FOR DEMOLITION - IFC APPENDIX C: TREE MANAGEMENT DRAWING - DEMO PHASE

Project information including: PROJECT: DEMOLITION AND LANDSCAPE RESTORATION, ADDRESS: DAVID LLOYD GREGG ELEMENTARY, CLIENT: VANCOUVER SCHOOL BOARD, DATE: AUG 22, 2025





Contractor Declaration for Demolition or Deconstruction

The Chief Building Official
City of Vancouver
453 West 12th Avenue
V5Y 1V4

August 11, 2025

Date (Month Day Year)

Dear Sir:

RE: Property Address

8370 Cartier St. Vancouver

Permit Application No.

(City Staff Use Only)

In consideration of the City accepting and processing the above application for a building permit, and as required by the Vancouver Building By-law No. 12511, the following representations, warranties and indemnities are given to the City by the Demolition or Deconstruction Contractor.

I, Quentin Segal of Clearview Demolition Ltd.,
(Print Full Name of Authorized Signatory) (Print Company Name of Demolition or Deconstruction Contractor)

Confirm that:

I have read and understand my obligations as a demolition or deconstruction contractor to comply with Part 8 of the Vancouver Building By-law No. 12511 and all requirements related to demolition as required by WorkSafeBC,

For all buildings other than one- or two-family dwellings, I submitted a Construction Safety Plan as required by WorkSafeBC which will be available for inspection on the site at all times, and will submit an Engineered Demolition Plan if required or directed by the City.

For one- or two-family dwellings, I have developed a construction safety plan as required by WorkSafeBC and it will be available for inspection on the site at all times;

I hereby undertake to:

Protect the adjacent properties from any damage or unreasonable impact from demolition or deconstruction activities;

Ensure that no debris, dust or other material shall be deposited on adjacent neighbour's property, and have water available on the site for wetting down the demolition or deconstruction site at regular intervals to minimize dust;

Comply with the Noise Control By-law No. 6555 for hours of construction noise on Private Property, and understand that no construction noise (demolition or deconstruction) is permitted on Sundays and holidays;

Conduct no work until the Salvage and Abatement permit is issued;

.../ over

Ensure all Hazardous Materials identified in the Hazardous Materials Inspection Report and any Hazardous Materials uncovered during work have been removed from site and properly disposed of, once the salvage and abatement permit has been issued, by qualified contractors as outlined by WorkSafeBC, who are licensed to work in the City of Vancouver;

Submit to Environmental Protection, and make available upon request, the Hazardous Materials Report Form and documentation showing that all identified hazardous materials have been removed, and disposed of according to all applicable rules and regulations;

Obtain a Fire Permit for the removal of any known underground storage tanks on the property, and drain and remove prior to demolition;

Stop work, contact the Fire Prevention office, and obtain a fire permit if any underground storage tanks are found during demolition;

Contact Environmental Protection if there is suspected soil contamination;

Disconnect the water line inside the property line prior to demolition to prevent damage to the main City water line (contact the City by calling 3-1-1, or 604-873-7000 from outside Vancouver city limits, for shut-off procedures);

Install tree protection barriers that comply with Protection of Trees By-law No. 9958, have them inspected by the City's Inspector, and maintain the barriers continuously in place before, during and after the demolition, unless given permission by the City Building Inspector to remove them;

Ensure all truck operators operate their vehicles in a safe and courteous manner adhering to City of Vancouver By-laws regulating truck use, including truck route, engine brake noise, weight and load securement (tarping) provisions;

Meet regional waste diversion targets, to recycle construction materials currently banned or prohibited from disposal, such as asphalt, cardboard, cement and concrete, clean fill and soil, gypsum / drywall, and green waste, and use salvaging options to reduce, reuse and recycle old construction materials wherever reasonable;

Notify the adjacent property owners of the demolition a minimum of 24 hours prior to demolition or deconstruction and provide information including contact name, company name and contact telephone number;

Provide to WorkSafeBC in writing, by fax or online submission, a notice of project (NOP) at least 24 hours before starting a construction project (demolition), as required by section 20.2 of the Occupational Health and Safety Regulations; and

Notify all applicable utilities such as BC Hydro, Fortis BC, Telus, and local cable companies, regarding disconnection of services prior to any demolition work.

For all buildings other than one- or two-family dwellings, ensure that Construction Safety Officer will be available on site during demolition when it is required as per Part 8 of the Vancouver Building By-law;

For all buildings other than one- or two-family dwellings, retain the services of a geotechnical engineer to review temporary shoring requirements when necessary or if directed to do so by City Building Inspector;

.../ over

For one- or two-family dwellings only, backfill immediately any excavation caused by the removal of an existing basement and retaining walls or retain the services of a geotechnical engineer to review temporary shoring requirements when necessary or if directed to do so by City Building Inspector;

For deconstruction (green demolition) only, reuse or recycling of not less than 75% (90% for demolition of a "character residential building") of all building materials, by weight, excluding hazardous materials. Reuse, recycling, and character residential building as defined in the Green Demolition By-law No. 11023;

I agree to:

Notify the City of Vancouver Building Inspection Branch and Engineering Development Services of the date demolition is to start by calling 3-1-1 (or 604-873-7000 from outside Vancouver city limits) before 2:00 pm at least one business day prior to the commencement of demolition or deconstruction;

[The 3-1-1 Contact Centre is available from 7 a.m. to 10 p.m., 365 days per year; construction activity may not be performed in the City of Vancouver on Sundays or Holidays without an exemption from the Noise By-law.]

Call 3-1-1 after demolition or deconstruction is complete to schedule a final site inspection; and

For deconstruction (green demolition) only, submit a completed Compliance Report with supporting documentation (such as copies of recycling facility receipts, photographs, etc.) detailing actual recycling rates for all project-related building materials upon completion of deconstruction. If the recycling target is not met, provide additional written explanation proving that every reasonable effort was made to achieve the target or rationale as to why the project should be excused; and

Indemnify and save harmless the City of Vancouver, including its elected and appointed officials, officers, employees, agents, nominees, delegates, permittees and contractors from all claims, liability, judgments, costs and expenses of every kind which may result from the failure of the Demolition or Deconstruction Contractor to comply fully with all by-laws, statutes and regulations relating to any work or undertaking in respect of which this application is made, or from failure to comply with the undertakings given in this Contractor Declaration for Demolition or Deconstruction.

This Contractor Declaration for Demolition or Deconstruction is executed by the contractor this

11 day of August, 2025.
(Day) (Month) (Year)

Demolition or Deconstruction Contractor Company Name Clearview Demolition Ltd.

Printed Name of Authorized Signatory Quentin Segal

Signature of Authorized Signatory Quentin Segal

Owner or Owner's Representative Printed Name Natasha Saksman

Owner or Owner's Representative Signature Natalia Saksman

Note: Upon issuance of the demolition permit this declaration becomes part of the specifications and conditions of the demolition permit. Failure to comply with the provisions of this declaration may result in a Stop Work Order, additional fees, a request for charges under the applicable by-laws, or a review of your business licence.



SITE MAP
NTS

DEMOLITION GENERAL NOTE

1. ALL WORK SHALL BE ACCORDANCE WITH THE BUILDING CODE (PARTICULARLY PARTS OF THE 2010 UNIFORM BUILDING BYLAW) AND THE ADDRESS COMPLIANCE REGULATIONS. AT ALL TIMES PROTECT ADJACENT PROPERTIES TO THE PUBLIC AND TO PREVENT INJURY OR DAMAGE. REFER TO SITE SPECIFIC DEMOLITION AND SAFE WORK PROCEDURES FOR ADDITIONAL REQUIREMENTS AND SPECIFICATIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING ALL DRAWINGS AND VERIFYING ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS PRIOR TO BEGINNING WORK. ADB STRUCTURAL ENGINEERING INC. IS TO BE IMMEDIATELY NOTIFIED IN WRITING OF ANY DISCREPANCIES.
3. IN CASE OF CONFLICT BETWEEN GENERAL NOTES, DETAILS AND SPECIFICATIONS, THE MOST RIGID REQUIREMENTS SHALL GOVERN.
4. ANY EXISTING STRUCTURE INFORMATION SHOWN IS AS INDICATED ON THE EXISTING STRUCTURES DRAWINGS PROVIDED BY OTHERS AND/OR LIMITED FIELD SURVEY DATA. CONTRACTOR TO FIELD VERIFY ALL EXISTING BUILDING INFORMATION (DIMENSIONS, ELEVATIONS, UTILITIES, ETC.) AND NOTIFY ADB STRUCTURAL ENGINEERING INC. OF ANY DISCREPANCIES OR CONFLICTS.
5. THE CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS IN THE FIELD TO SUIT, WHERE NEW WORK IS ADJACENT TO OR FRAMES INTO EXISTING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING DIMENSIONS OF EXISTING CONSTRUCTION PRIOR TO FABRICATION OF NEW STRUCTURAL COMPONENTS.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ANY EXISTING BUILDINGS, SIDEWALKS, ROADS, TREES AND SERVICES (ADJACENT TO AND IN THE JOB SITE) AT ALL TIMES FROM DAMAGE DUE TO CONSTRUCTION RELATED ACTIVITIES (DEMOLITION, SAW CUTTING, HOLD DRILLING, PILING, ETC.). THE CONTRACTOR IS RESPONSIBLE FOR ALL TESTING, LOCATING AND MONITORING OF EXISTING BUILDINGS AND SERVICES.
7. PREVENT OVERLOADING OF ANY PART OF THE STRUCTURE DURING THE WORK.
8. THE WORD "OTHERS" USED THROUGHOUT THIS DRAWING IS IN REFERENCE TO ITEMS SUCH AS, BUT NOT LIMITED TO, WORK, DESIGN, INSTALLATION AND SUPPLY NOT PROVIDED BY ADB ENGINEERING. THE WORK BY OTHERS IS TO BE CARRIED OUT BY THE RESPECTIVE DESIGNER, ENGINEER OR CONTRACTOR THAT IS RESPONSIBLE FOR THAT PARTICULAR WORK AND MAY REQUIRE THE INPUT AND/OR COORDINATION OF ADDITIONAL DISCIPLINES. ADB DOES NOT REVIEW, INSPECT OR VERIFY IN ANY WAY THE WORK COMPLETED BY OTHERS, WHERE INSPECTIONS OF WORK BY OTHERS ARE REQUIRED, A COPY OF SUCH REVIEW IS TO BE PROVIDED TO ADB BY THE CONTRACTOR.
9. FOR PROJECTS OVERSEEN BY A CONSTRUCTION MANAGER, DESIGN-BUILD CONTRACTOR OR A GENERAL CONTRACTOR, ETC., REFERENCES TO ALL NOTES AND SPECIFICATIONS TO CONTRACTOR SHALL APPLY EQUALLY THROUGHOUT THESE DRAWINGS AND ANY OTHER DOCUMENTS PREPARED BY ADB ENGINEERING AND/OR THE ANCHOR EQUIPMENT MANUFACTURER, TO THE CONSTRUCTION MANAGER, DESIGN-BUILD CONTRACTOR OR GENERAL CONTRACTOR, ETC.
10. VARIOUS ITEMS PRESENT IN THIS DRAWING (FENCING, HOARDING, ETC.) ARE NOTED AS SHOWN FOR REFERENCE ONLY AND MAY NOT BE REQUIRED, BE OUTSIDE OF THE SCOPE OF THE DEMOLITION CONTRACTOR, AND/OR BE CARRIED OUT BY A DIFFERENT CONTRACTOR. REFER TO CONTRACT DOCUMENTATION REGARDING SCOPE OF WORK AND REQUIREMENTS.

FENCING, BOARDING OR BARRICADES:

THE FOLLOWING ITEMS ARE FOR REFERENCE ONLY AND MAY NOT BE REQUIRED. REFER TO DEMOLITION CONTRACTOR'S SITE SPECIFIC WORK PLAN FOR DETAILED FENCING, BOARDING OR BARRICADES SETUP.

WHEN A CONSTRUCTION OR DEMOLITION ACTIVITY MAY CONSTITUTE A HAZARD TO THE PUBLIC AND IS LOCATED 6'-8" (2m) OR LESS FROM PUBLIC WAY, A STRONGLY CONSTRUCTED FENCE, BOARDING OR BARRICADE, NOT LESS THAN 6'-0" (1.8m) HIGH SHALL BE ERIGED BETWEEN THE SITE AND THE PUBLIC WAY OR OPEN SIDES OF A CONSTRUCTION SITE.

HOARDING:

THE FOLLOWING ITEMS ARE FOR REFERENCE ONLY AND MAY NOT BE REQUIRED. REFER TO DEMOLITION CONTRACTOR'S SITE SPECIFIC WORK PLAN FOR DETAILED HOARDING SETUP.

WHEN A CONSTRUCTION OR DEMOLITION ACTIVITY MAY CONSTITUTE A HAZARD TO THE PUBLIC AND IS LOCATED 6'-8" (2m) OR LESS FROM PUBLIC WAY, A HOARDING (COVERED WAY) SHALL BE CONSTRUCTED AS FOLLOWS:

1. HAVE A CLEAR HEIGHT OF NOT LESS THAN 8'-2" (2.5m).
2. HAVE A CLEAR WIDTH OF NOT LESS THAN 5'-0" (1.5m).
3. BE DESIGNED FOR WIND ON THE ROOF.
4. HAVE A WEATHER-TIGHT ROOF SLOPED TOWARDS THE SITE OR, IF FLAT, BE EQUIPPED WITH A SPLASH BOARD NOT LESS THAN 1/2" (12.5mm) HIGH ON THE STREET SIDE.
5. BE TOTALLY ENCLOSED ON THE SITE SIDE WITH A STRUCTURE HAVING A REASONABLY SMOOTH SURFACE FACING THE PUBLIC WAY.
6. HAVE A RAILING 42" (1067mm) HIGH ON THE STREET SIDE.
7. BE ABSOLUTELY LIGHTED.

SPECIAL HAZARDS:

THE FOLLOWING ITEMS ARE FOR REFERENCE ONLY AND MAY NOT BE REQUIRED. REFER TO DEMOLITION CONTRACTOR'S SITE SPECIFIC WORK PLAN FOR DETAILED SPECIAL HAZARDS REMOVAL.

WHERE ANY SPECIAL HAZARD EXISTS FROM WHICH IT IS NOT POSSIBLE TO PROTECT THE PUBLIC BY OTHER MEANS SUCH AS FENCING, BOARDING OR BARRICADES, THEN FLAG PERSONS SHALL BE EMPLOYED TO PREVENT THE PUBLIC FROM ENTERING THE DANGER ZONE AT ANY TIME OF THE DAY OR NIGHT.

ALTERNATIVE MEANS AND METHODS OF PROTECTING THE PUBLIC OR NEIGHBORING STRUCTURES MAY BE REQUIRED BEYOND THE MEASURES PREPARED BY THE CONTRACTOR'S SAFE WORK PLAN.

ADB ENGINEERING CAN ASSIST WITH ENGINEERING PROTECTION MEASURES. THE CONTRACTOR IS RESPONSIBLE TO MANAGE THE SAFE WORK PLAN TO PROTECT SPECIAL HAZARDS. WHERE DESIGNING ARE TO BE REQUESTED, SPECIFIC HAZARD CRITERIA SHALL BE PROVIDED.

TRUCK MOVEMENT:

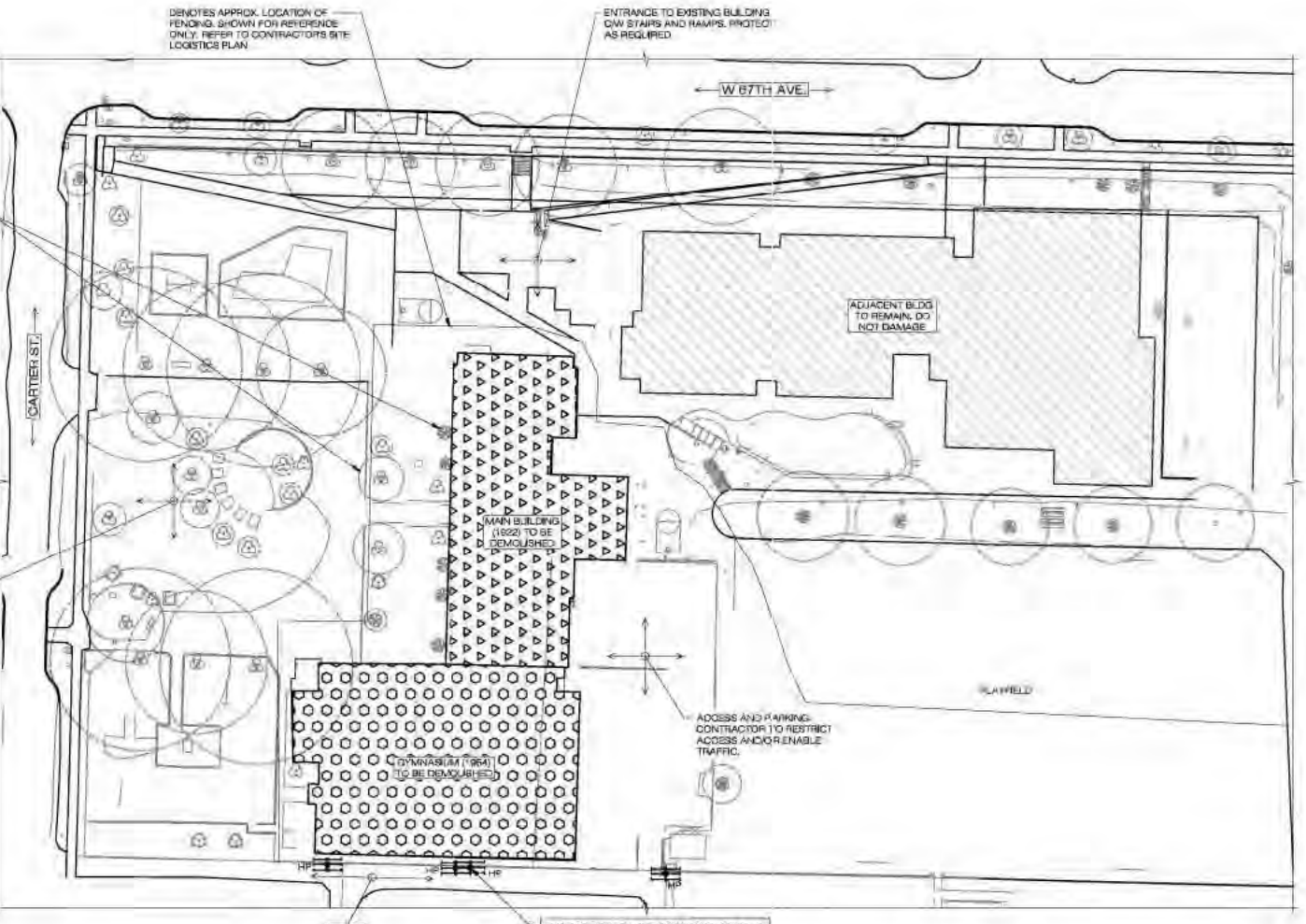
THE FOLLOWING ITEMS ARE FOR REFERENCE ONLY AND MAY NOT BE REQUIRED. REFER TO DEMOLITION CONTRACTOR'S SITE SPECIFIC WORK PLAN FOR DETAILED TRUCK MOVEMENT LAYOUT.

A FLAG PERSON(S) SHALL BE USED TO STOP AND/OR DIRECT STREET AND PEDESTRIAN TRAFFIC WHEN TRUCKS ARE ENTERING OR EXITING THE SITE.

ALL WORK TO BE IN CONFORMITY WITH DEMOLITION CONTRACTOR'S SAFE WORK PROCEDURE AND WORKSAFE BC OHS REGULATIONS.

INDICATES EXISTING TREES. TYPICAL REFER TO THE ARBORIST'S REPORT FOR THE EXTENT OF TREES TO BE REMOVED AND RETAINED. RETAINED TREES ARE TO BE PROTECTED BY TREE PROTECTION BARRIERS AS OUTLINED IN THE ARBORIST'S REPORT. DO NOT DAMAGE TREE PROTECTION BARRIERS. REPAIR ANY DAMAGED BARRIERS IMMEDIATELY. ALL TREE REMOVAL IS TO BE COORDINATED WITH AND DIRECTED BY THE PROJECT ARBORIST AND COMPLETED BY A CERTIFIED TREE REMOVAL COMPANY.

PARK AND PLAYGROUND. CONTRACTOR TO INSTALL FENCING AND ADDITIONAL PROTECTIONS AS REQUIRED.



INDICATES APPROX. LOCATION OF FENCING SHOWN FOR REFERENCE ONLY. REFER TO CONTRACTOR'S SITE LOGISTICS PLAN.

ENTRANCE TO EXISTING BUILDING (W/ STAIRS AND RAMPS). PROTECT AS REQUIRED.

W 67TH AVE

ADJACENT BLDG TO REMAIN. DO NOT DAMAGE.

MAIN BUILDING (1922) TO BE DEMOLISHED

GYMNASIUM (1984) TO BE DEMOLISHED

ACCESS AND PARKING. CONTRACTOR TO RESTRICT ACCESS AND/OR ENABLE TRAFFIC.

NOTE: WORK ADJACENT TO THE LANE CONSTITUTE SPECIAL HAZARD PER GENERAL NOTES. REFER TO DEMOLITION CONTRACTOR'S TRAFFIC MANAGEMENT PLAN SITE SPECIFIC DETAILS ABOUT USE OF FLAGGERS AND TRAFFIC CONTROL.

EXISTING HYDRO POST CAN TRANSFORMERS AND HYDRO LINES SHOWN FOR REFERENCE ONLY. EXACT LOCATION TO BE DETERMINED ON SITE, TYP. NOTE: CONTRACTOR TO CONTACT & COORDINATE WITH BC HYDRO FOR PROTECTION PRIOR TO STARTING DEMOLITION PROCESS.

SITE PLAN
NTS

SCOPE OF FIELD REVIEW:

ADB STRUCTURAL ENGINEERING INC. (ADB) FIELD REVIEW IS ONLY FOR THE WORK SHOWN ON THESE DEMOLITION DRAWINGS. THIS REVIEW IS NOT A FULL-TIME REVIEW BUT IS A PERIODIC REVIEW AT THE SOLE DISCRETION OF ADB ENGINEERING IN ORDER TO ASCERTAIN THAT THE WORK IS IN GENERAL CONFORMANCE WITH THE PLANS AND SUPPORTING DOCUMENTS PREPARED BY ADB. FIELD REVIEW BY ADB IS NOT CARRIED OUT FOR THE CONTRACTOR'S BENEFIT. NOR DOES IT MAKE ADB GUARANTORS OF THE CONTRACTOR'S WORK. IT REMAINS THE CONTRACTOR'S RESPONSIBILITY TO BUILD THE WORK IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ADB SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR SUB-CONTRACTOR OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

1. PROVIDE MINIMUM OF ONE WEEK NOTICE TO THE ENGINEER PRIOR TO STARTING THE DEMOLITION AND THE COMPLETION OF THE SOFT STRIP OUT, FOR REVIEW OF THE EXISTING BUILDING ONCE CONCEALED STRUCTURE IS EXPOSED AND VISIBLE. IF DEMOLITION PROCEDURES ARE TO DIFFER FROM THE SCALED DRAWINGS.
2. PROVIDE A MINIMUM OF ONE WORK DAY NOTICE TO THE ENGINEER FOR ROUTINE FIELD REVIEWS IN ADDITION TO THE ABOVE.
3. CONTRACTOR TO CONFIRM THE EXTENT OF THE NEIGHBORING PROPERTY (SHARED WALL AND/OR BASEMENT) PRIOR TO DEMOLITION. PROVIDE ADB ENGINEERING A COPY OF THE INVESTIGATION REPORT OR REQUEST A FIELD REVIEW.

STRUCTURAL SYSTEM SHOWN ON THESE DRAWINGS IS BASED ON SITE/DESKTOP REVIEW AND LIMITED AS-BUILT INFORMATION. STRUCTURAL SYSTEM SHALL BE CONFIRMED PRIOR TO DEMOLITION. A REVIEW BY ADB ENGINEERING OF THE CURRENT CONDITION OF THE BUILDING IS REQUIRED PRIOR TO DEMOLITION AND AFTER THE SOFT STRIP OUT IS COMPLETED.

PRE-DEMOLITION SETUP:

- THE FOLLOWING ITEMS ARE FOR REFERENCE ONLY AND NOT ALL ITEMS MAY BE LISTED. REFER TO DEMOLITION CONTRACTOR'S SITE SPECIFIC WORK PLAN FOR DETAILED PRE-DEMOLITION SETUP.
1. MOBILIZE TOOLS, MATERIAL, SAFETY EQUIPMENT AND FACILITIES.
 2. IDENTIFY AND FLAG SITE HAZARDS INCLUDING HAZARDOUS MATERIALS.
 3. SETUP PERIMETER FENCING, SITE OFFICE, MUSTER STATIONS AND SAFETY SIGNAGE AS REQUIRED.
 4. COMPLETE SOFT STRIP OUT OF ALL MATERIALS SO HAZARDOUS MATERIALS RE ASSESSORS CONTAINING MATERIAL CAN BE SAFELY REMOVED. THIS STEP TO BE COMPLETED IN COOPERATION WITH HAZARDOUS ABATEMENT COMPANY AS REQUIRED.
NOTE: SOFT STRIP-OUT (OR SOFT STRIP) IS THE REMOVAL OF NON-STRUCTURAL AND NON-LOAD BEARING ELEMENTS OF THE BUILDING. THIS INCLUDES ITEMS SUCH AS INTERIOR AND EXTERIOR FINISHES, GYPSUM WALL BOARD, STUCCO, FLOORING, DROP CEILING, ELECTRICAL, PLUMBING, HVAC, ETC. IF UNCERTAIN OR UNSURE IF AN ELEMENT IS NON-STRUCTURAL OR STRUCTURAL, CONTACT ADB ENGINEERING FOR ON SITE ASSESSMENT.
 5. HAZARDOUS ABATEMENT COMPANY TO REMOVE ALL HAZARDOUS MATERIALS AS REQUIRED.
 6. REMOVE AWNINGS AROUND PERIMETER OF BUILDING AFFECTED BY DEMOLITION.
 7. REMOVE ALL WINDOWS AND GLASS FROM BUILDING.
 8. SIDEWALK HOARDING TO BE SET UP IF REQUIRED ENGINEERING BY OTHERS.
 9. LOCATE, MARKING AND/OR EXPOSING ALL SERVICES: CAP, CUT AND REMOVE ALL SERVICES (I.E. GAS, ELECTRICAL, WATER, SEWER, ETC.) PRIOR TO STARTING DEMOLITION WORKS. NOTE THAT SOME SITES MAY HAVE MULTIPLE OF THE SAME SERVICE ENTERING THE SITE AT DIFFERENT LOCATIONS. VERIFY ALL SERVICES ARE CAPPED AND CUT PRIOR TO DEMOLITION.
 10. COMPLETE REMAINDER OF INTERIOR SOFT STRIP OUT AFTER HAZARDOUS MATERIALS SAFELY REMOVED.
 11. CONTACT ADB ENGINEERING FOR A SITE VISIT TO VERIFY THAT THE EXPOSED STRUCTURAL SYSTEM MATCHES THE STRUCTURAL SYSTEM AS DETAILED ON THESE DRAWINGS. DEMOLITION DRAWINGS MAY BE REQUIRED TO BE CORRECTED AND THE DEMOLITION PROCEDURE CHANGED TO ACCOMMODATE AS-BUILT STRUCTURAL CONDITIONS AND/OR STRUCTURAL SYSTEM.
 12. REMOVE ANY MECHANICAL UNITS, IF REQUIRED.
 13. CONTRACTOR TO CONFIRM EXISTENCE OF ANY BASEMENT/BELOW GRADE LEVELS IN EITHER BUILDING TO BE DEMOLISHED OR ADJACENT BUILDINGS IF FOUND, NOTIFY ADB ENGINEERING FOR RE-ASSESSMENT.
 14. INSTALL TEMPORARY PROTECTION MEASURES OF THE PUBLIC AND NEIGHBORING STRUCTURES. CONTRACTOR TO COORDINATE WITH OWNER OF ADJACENT BUILDING FOR ACCESS AND INSTALLATION.

DEMOLITION LEGEND

	BUILDING 1922 TO BE DEMOLISHED
	GYMNASIUM 1984 TO BE DEMOLISHED
	ADJACENT BUILDING TO REMAIN. DO NOT DAMAGE

1. COPYRIGHT RESERVED. ALL DIMENSIONS, DETAILS, PLANS, SPECIFICATIONS AND OTHER INFORMATION SHOWN ON THIS DRAWING AND ITS CONTENTS IS AN INSTRUMENT OF SERVICE AND AS SUCH IS AND REMAINS AT ALL TIMES THE EXCLUSIVE PROPERTY OF ADB STRUCTURAL ENGINEERING INC. AND SHALL NOT BE USED, REPRODUCED, LOANED, OR REPRODUCED BY ANY MEANS WITHOUT THE EXPRESS WRITTEN CONSENT OF ADB STRUCTURAL ENGINEERING INC. FOR THE PROJECT OR ANY OTHER PROJECT.
2. THE USE OF THIS DRAWING IS LIMITED TO THE ISSUED DESCRIPTIONS SHOWN IN THE ISSUED DESCRIPTION TABLE OF THIS DRAWING. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS THE ISSUE/DESCRIPTION TABLE IS MAINTAINED FOR CONSTRUCTION. THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE RELATED TO THE ORIGINAL INTENT OR COURSE OF ACTION UNLESS THE ISSUE/DESCRIPTION TABLE IS MAINTAINED AS SUCH.
3. CONTRACTOR USING THIS DRAWING SHALL USE WRITTEN DIMENSIONS SHOWN ON THE DRAWING. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY REPORT ANY ERRORS, OMISSIONS OR DISCREPANCIES TO ADB STRUCTURAL ENGINEERING INC.
4. THIS DRAWING SHALL NOT BE USED FOR STUDY/DRAWING AND CONSTRUCTION WORK MAY VARY FROM WHAT IS INDICATED ON THE DRAWING. ONLY USE THIS DRAWING FOR THE PURPOSE OF THIS DRAWING. IF WORK IS APPROVED, HAS BEEN OBTAINED FROM ADB STRUCTURAL ENGINEERING INC.



DRAWING LIST

01	GENERAL NOTES AND SITE PLAN
02	DEMOLITION PLAN & PROCEDURE
03	DEMOLITION DETAILS

NOTES

NO.	DATE	DESCRIPTION
1	2023.06.15	ISSUED FOR PERMIT
2	2023.06.15	ISSUED FOR PERMIT
3	2023.06.15	ISSUED FOR PERMIT
4	2023.06.15	ISSUED FOR PERMIT
5	2023.06.15	ISSUED FOR PERMIT
6	2023.06.15	ISSUED FOR PERMIT
7	2023.06.15	ISSUED FOR PERMIT
8	2023.06.15	ISSUED FOR PERMIT
9	2023.06.15	ISSUED FOR PERMIT
10	2023.06.15	ISSUED FOR PERMIT

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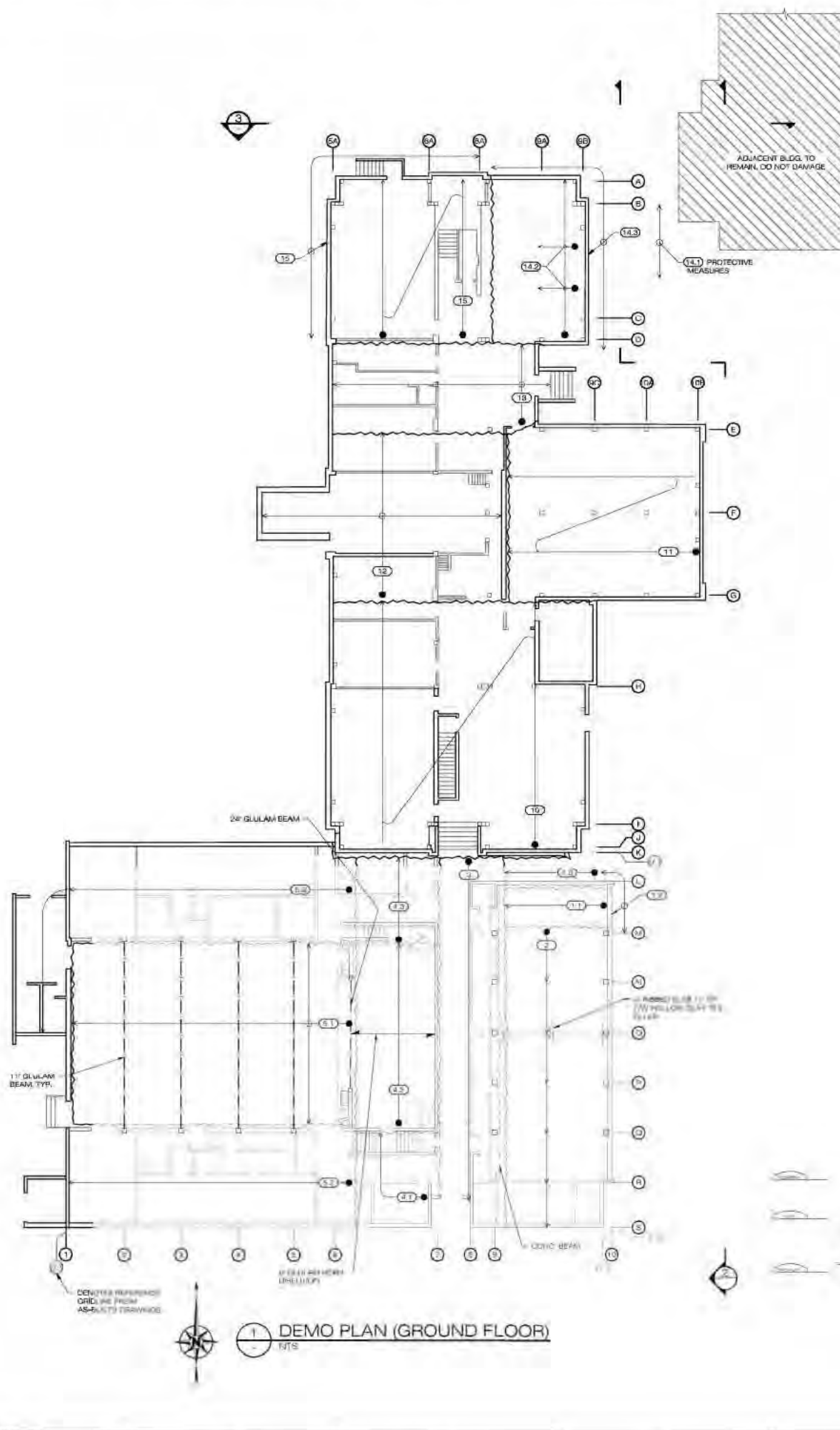
ADB ENGINEERING
A SINGLEY BOETTCHER CO.

100-1100 West Broadway, Suite 1000
Vancouver, BC V6E 2E6
Tel: 604.271.7475
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www.adb-engineering.com

DAVID LLOYD GEORGE SCHOOL DEMOLITION
8370 CARTIER STREET
VANCOUVER, BC

GENERAL NOTES & SITE PLAN

DATE: 2023.06.15
DRAWN BY: DCM/KJ
DESIGN BY: AB
SCALE: 80% x 24"
JOB NUMBER: 250471
SHEET: D1



1 DEMO PLAN (GROUND FLOOR)
NTS

DEMOLITION PROCEDURE

- NOTES:**
- PRIOR TO DEMOLITION UNDERTAKE THE PRE-DEMOLITION SET-UP ITEMS PER D.1.1 DRAWING.
 - WORK CLOSE TO ADJACENT NEIGHBORING LOTS, STREETS AND SIDEWALKS NOTED IN DWG D.1.1 CONSTITUTES SPECIAL HAZARD. REFER GENERAL NOTES, REFER TO DEMOLITION CONTRACTORS TRAFFIC MANAGEMENT PLAN SITE SPECIFIC DETAILS ABOUT USE OF FLAGERS AND TRAFFIC CONTROL.
- GYMNASIUM**
- 1 USE SUITABLY SIZED EXCAVATOR CW PROCESSING ATTACHMENTS, PROCESS DOWN NORTH-EAST CORNER OF GYMNASIUM AS FOLLOWS:
 - 1.1 REACH OVER AND PUNCH THROUGH ROOF IN AREA SHOWN IN PLAN, MINIMIZE ANY DAMAGE TO THE WALLS AND BEAMS DURING THIS STEP.
 - 1.2 ONCE THE AREA OF ROOF IS REMOVED, PROCESS THE SEGMENT OF THE WALL BETWEEN G/L 'M' AND 'V', DOWN TO THE 1st FLOOR, SWEEP OFF DEBRIS OFF OF SLAB.
 - 1.3 CREATE A SEPARATION WITH THE MAIN BUILDING BY PROCESSING DOWN THE ROOF/ROOF BETWEEN G/L 'K' AND 'L', PUNCHING THROUGH THE ROOF/SLAB. AS DEMOLITION ADVANCES, DEMO UNLOADED WALLS DOWN, PROCESS BEAMS IN A TYPewriter MANNER AND FOLD-IN COLUMNS. SEE DEMO DETAILS FOR SLAB, WALL, BEAM AND COLUMN (1.3.1, 1.3.2, 1.3.3).
 - 1.4 REPEAT FOR THE NEXT LEVEL DOWN AND FOR THE ADJACENT BAY BETWEEN G/L 'M' AND 'O'.
 - 2 MANEUVER THE EXCAVATOR TO PROCESS THE ROOF SLAB PERPENDICULAR SLAB FIRST, SEQUENTIALLY MOVING INTO THE BUILDING ONE BAY AT A TIME AND WORKING TOP DOWN, PROCESS ROOF SLAB, PROCESS UNLOADED BEAMS AND FOLD-IN UNLOADED COLUMNS AND/OR WALLS, REPEAT SEQUENCE NEXT LEVEL DOWN. NOTE: AS THE DEMOLITION PROGRESSES, INSTALL BERM AGAINST RETAINING WALL ADJACENT TO LANE ALONG G/L 'D'. SEE DETAIL (1.4.1).
 - 3 REPEAT SIMILAR METHODOLOGY TO STEP (2) PROCESS DOWN AREA OF ROOF/CONC. SLAB NOTED IN PLAN.
 - 4 PROCESS AREA AS FOLLOWS:
 - 4.1 MACHINE PROCESS CONC. SLAB, FOLLOWED BY UNLOADED CONC. BEAMS, WALLS AND COLUMNS UP TO G/L 'D'.
 - 4.2 USING EXCAVATOR CW BUCKET AND THUMB, PULL DOWN ROOF AND 8" DP. G/L LAM BEAMS, AS DEMOLITION ADVANCES, PROCESS DOWN CONC. WALL ALONG G/L 'T'. NOTE: BASEMENT EXISTS IN THIS AREA, DO NOT DRIVE EXCAVATOR OVER SUSPENDED FLOOR. INSTALL BERM AS REQUIRED.
 - 4.3 MACHINE PROCESS CONC. SLAB, FOLLOWED BY UNLOADED CONC. BEAMS, WALLS AND COLUMNS UP TO G/L 'K'.
 - 5 PROCESS AREA AS FOLLOWS:
 - 5.1 USING EXCAVATOR CW BUCKET AND THUMB, PULL DOWN ROOF AND 11" DP. G/L LAM BEAMS AND MOVE INTO THE BUILDING TOWARDS THE WEST.
 - 5.2 MACHINE PROCESS THROUGH THE REMAINING SOUTH WING ROOF FRAMING, FOLLOWED BY UNLOADED BEAMS, WALLS AND COLUMNS. INSTALL BERM AS REQUIRED.
 - 5.3 MACHINE PROCESS THROUGH THE REMAINING NORTH WING ROOF FRAMING, FOLLOWED BY UNLOADED BEAMS, WALLS AND COLUMNS.

MAIN BUILDING

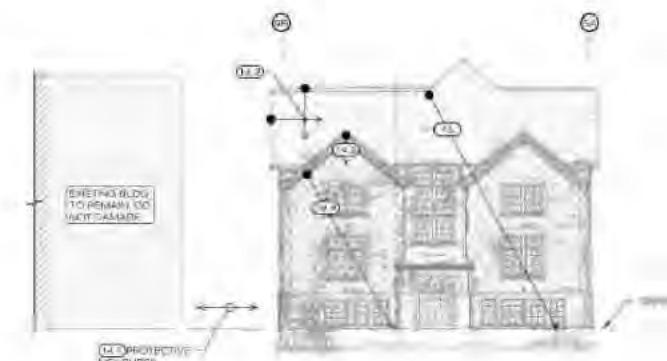
- 10 STARTING ON SOUTH END OF THE BUILDING, USE SUITABLY SIZED EXCAVATOR CW BUCKET AND THUMB, REACH UP TO PUNCH THROUGH THE ROOF, PULL DOWN ROOF STRUCTURE MEMBERS (STEEL AND TRUSS) AND PROCESS DOWN SEGMENTS OF WALL ABOVE THE ROOF FLOOR LEVEL, WORKING FROM THE TOP DOWN, DEMOLISH NEXT LEVEL DOWN BY PROCESSING THROUGH THE SLAB. AS DEMOLITION ADVANCES, PROCESS DOWN UNLOADED WALLS DOWN, PROCESS BEAMS IN A TYPewriter MANNER AND FOLD-IN COLUMNS. SEE TYPICAL DEMO DETAILS FOR SLAB, WALL, BEAM AND COLUMN (10.1, 10.2, 10.3, 10.4).
- 11 FROM EAST SIDE OF THE BUILDING, USE EXCAVATOR TO PROCESS THROUGH THE WALL TO CREATE AN OPENING, WITH ROOF AND FLOORS EXPOSED, PROCESS THROUGH THE TRUSS ROOF STRUCTURE G/L LAM BEAMS, AS DEMOLITION ADVANCES, PROCESS DOWN UNLOADED WALLS AND FOLD-IN COLUMNS, WORKING FROM TOP DOWN REPEAT METHODOLOGY ONE LEVEL AT A TIME. NOTE: CONTINUE THE TERRACED STYLE DEMOLITION MAINTAINING A 45° DEMOLITION PROFILE.
- 12 CONTINUE DEMOLITION OF AREA NOTED IN PLAN IN A SIMILAR MANNER TO THAT DESCRIBED ON STEP (11).
- 13 CONTINUE DEMOLITION OF AREA NOTED IN PLAN IN A SIMILAR MANNER TO THAT DESCRIBED ON STEP (11).
- 14 PROCESS AREA AS DESCRIBED BELOW:
 - 14.1 CONTRACTOR TO PUT IN PLACE PROTECTIVE MEASURES WHEN WORKING IN PROXIMITY TO ADJACENT BUILDING TO REMAIN. REFER TO DEMOLITION CONTRACTORS SAFE WORK PLAN.
 - 14.2 FROM THE SOUTH END OF THE BUILDING, USE EXCAVATOR CW BUCKET AND THUMB, REACH UP AND SLOWLY PULL DOWN ROOF STRUCTURE MEMBERS, STARTING WITH PURLINS FOLLOWED BY RAFTERS AND SUPPORTING STUD WALLS.
 - 14.3 AS THE DEMOLITION ADVANCES, PROCESS DOWN SEGMENTS OF WALL ABOVE THE ROOF FLOOR LEVEL.
 - 14.4 CONTINUE WORKING FROM THE TOP DOWN, COMMENCE PROCESSING THROUGH THE ROOF LEVEL SLAB. AS DEMOLITION ADVANCES, PROCESS DOWN UNLOADED WALLS DOWN, PROCESS BEAMS IN A TYPewriter MANNER AND FOLD-IN COLUMNS, CHASE DEMOLITION LINE PROCESSING DOWN AND/OR FOLDING IN THE EXTERIOR WALL. NOTE: THE EXTERIOR WALL MIGHT BE REQUIRED TO BE DEMOLISHED WITH HAND DEMOLITION TOOLS AT THE CORNER OF G/L 'S' AND 'A'. COMMUNICATE WITH OTHER PROFESSIONALS OBSERVATIONS OF THE BEHAVIOR OF THE BUILDING ON THE PREVIOUS STEPS OF THE DEMOLITION, AND TO PROVIDE FINAL DIRECTION BASED ON COMMENTS AND/OR SITE VISIT.

- 15 CONTINUE DEMOLITION OF REMAINING AREA NOTED IN PLAN IN A SIMILAR MANNER TO THAT DESCRIBED ON STEP (14).
- 16 REMOVAL OF BELOW GRADE FOUNDATIONS AS REQUIRED PER CONTRACT SPECIFICATIONS.
- 17 SORT, PROCESS AND LOAD OUT MATERIAL FOR DISPOSAL AS REQUIRED.

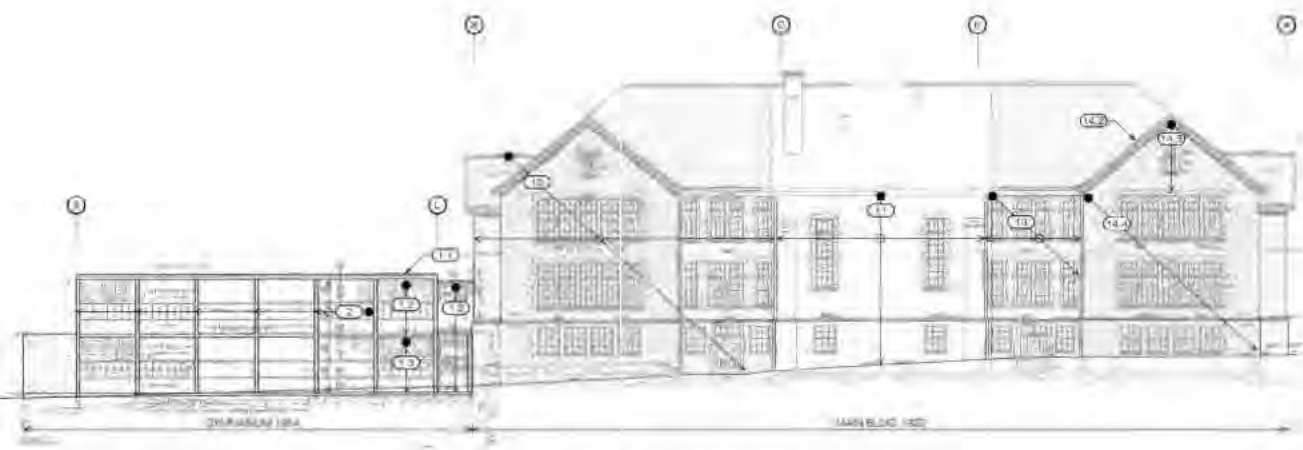
NOTES

• AS DEMOLITION ADVANCES INTO THE BUILDING, WORK IN ADJACENT AREAS IS TO BE CARRIED CONCURRENTLY, PROCEEDING ON A TERRACED OR TIERED MANNER, PROCESSING EACH LEVEL, WORKING FROM THE TOP DOWN, BAY BY BAY, AND MAINTAINING A DEMOLITION PROFILE OF APPROXIMATE 45° FOR FLOORS, STRUCTURAL MEMBERS AND WALLS. SEE DETAIL (1.4).

• AS THE DEMOLITION PROGRESSES, INSTALL BERM AS REQUIRED AGAINST RETAINING WALLS. SEE DETAIL (1.4).



3 DEMO ELEVATION
NTS



2 DEMO ELEVATION
NTS

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2. THE USE OF THIS DRAWING IS LIMITED TO THE ISSUED DESCRIPTIONS SHOWN IN THE ISSUED - DESCRIPTION TABLE OF THIS DRAWING. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS THE ISSUED-DESCRIPTION TABLE IS MARKED 'READY FOR CONSTRUCTION'. THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE RELATED TO REMOVAL, RENOVATION OR CONSTRUCTION UNLESS THE ISSUED-DESCRIPTION TABLE IS MARKED AS SUCH.

3. CONTRACTOR SHALL VERIFY THE CONSTRUCTION SHALL USE WRITTEN DIMENSIONS SHOWN ON THIS DRAWING. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION, AND IMMEDIATELY REPORT ANY ERRORS, OMISSIONS OR DISCREPANCIES TO ADB STRUCTURAL ENGINEERING INC.

4. THIS DRAWING SHALL NOT BE USED FOR SHOP DRAWINGS OR CONSTRUCTION WORK UNLESS FROM WHAT IS INDICATED ON THIS DRAWING. ONLY USE THIS DRAWING FOR THE PURPOSE OF SHOP DRAWINGS IF WRITTEN APPROVAL HAS BEEN OBTAINED FROM ADB STRUCTURAL ENGINEERING INC.

Clearview
CONSTRUCTION LTD.

DRAWING LIST

- D1 - GENERAL NOTES AND SITE PLAN
- D2 - DEMO PLAN & PROCEDURE
- D3 - DEMO DETAILS

NOTES

NO.	DATE	DESCRIPTION

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aDB
ENGINEERING
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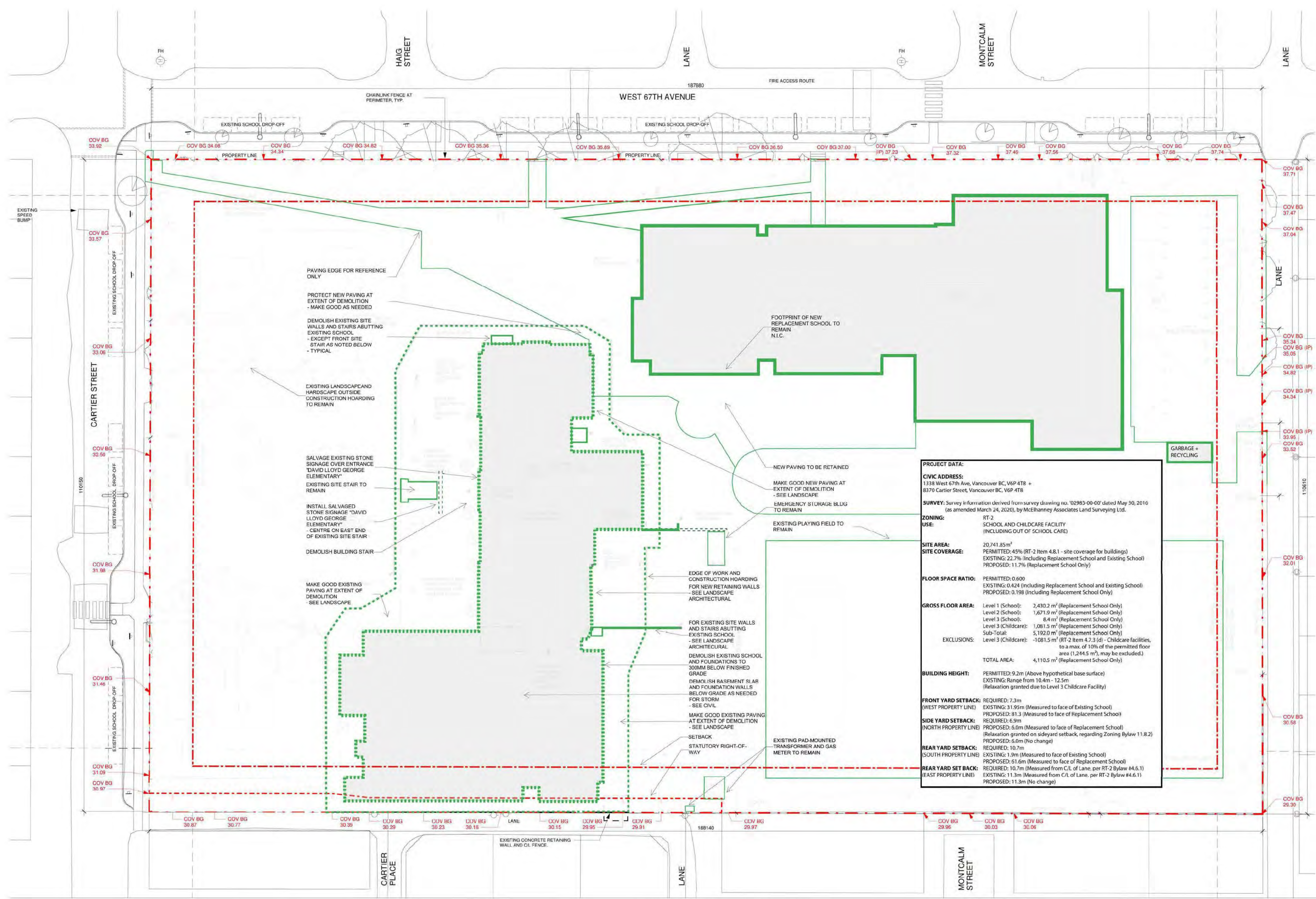
2010 - 2022 VANCOUVER VANCOUVER, BC
 OFFICE: 604 682 8373
 FAX: 604 682 7878
 EMAIL: info@adbengineering.com
 WWW: www.adbengineering.com

**DAVID LLOYD
GEORGE SCHOOL
DEMOLITION**
8370 CARTIER STREET
VANCOUVER, BC

DEMO PLANS & ELEVATIONS

DATE: 2022.06.15
 DRAWN BY: ODRN
 DESIGN BY: AB
 SCALE: @20X/04 AS NOTED

JOB NUMBER: 250471
 SHEET: **D2**



- GENERAL NOTES:**
1. SITE AREA: 5.125 ACRES (20,741.99m²)
 2. ZONING DISTRICT SCHEDULE: RT-2
 3. SURVEY INFORMATION IS DERIVED FROM SURVEY DRAWING NO. 02985-00-00 DATED 18th MAY, 2016 (AS AMENDED 28th NOV., 2019), BY MCELHANNY ASSOCIATES LAND SURVEYING LTD.
 4. ALL EXTERIOR GRADE LEVELS, EXTERIOR RISER INFORMATION, RAMP GRADIENTS AND LENGTHS ARE INDICATED ON THE LANDSCAPE PLANS. GRADES ARE SUBJECT TO CONFIRMATION OF BUILDING GRADES SURVEY ELEVATIONS.
 5. TRENCHING FOR UTILITY CONNECTIONS TO BE COORDINATED WITH ENGINEERING DEPARTMENT TO ENSURE SAFE ROOT ZONES OF RETAINED TREES. METHODS OF TREE PROTECTION FOR STREET TREES TO BE APPROVED BY PARK BOARD.
 6. INSTALLATION OF REQUIRED PARKING REGULATORY SIGNAGE ON W 67TH AV. LANE SOUTH OF W 67TH AV. LANE AND WEST OF HUDSON ST ADJACENT TO THE SITE AND ALL TEMPORARY REGULATORY SIGNAGE CHANGES REQUIRED FOR SWING SCHOOL PICK-UP/DROP-OFF TO THE SATISFACTION OF THE GENERAL MANAGER OF ENGINEERING SERVICES.

REFER TO MCELHANNY TOPOGRAPHIC SURVEY OF LOT 46 BLOCK B DISTRICT LOT 324 PLAN 15074 DATED: 2015-06-09

DEMOLITION DRAWING LIST:

ARCHITECTURAL	hcma architecture + design
A100 EXISTING SITE/DEMOLITION PLAN	
LANDSCAPE	Prospect & Refuge
L-1A	TREE PROTECTION AND SITE DEMOLITION PLAN
L-1B	PROPOSED LAYOUT AND PLANTING
L-1C	PROPOSED GRADING AND LAYOUT
L-2A	DETAILS
L-2B	DETAILS
CIVIL	Core Group
C01	DEMOLITION PLAN
C02	SITE SERVICING PLAN
C03	EROSION AND SEDIMENT CONTROL PLAN
C04	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

PROJECT DATA:

CIVIC ADDRESS:
1338 West 67th Ave, Vancouver BC, V6P 4T8 +
8370 Cartier Street, Vancouver BC, V6P 4T8

SURVEY: Survey information derived from survey drawing no. 02985-00-00 dated May 30, 2016 (as amended March 24, 2020), by McElhanny Associates Land Surveying Ltd.

ZONING: RT-2
SCHOOL AND CHILDCARE FACILITY (INCLUDING OUT OF SCHOOL CARE)

USE: SCHOOL AND CHILDCARE FACILITY (INCLUDING OUT OF SCHOOL CARE)

SITE AREA: 20,741.85m²

SITE COVERAGE: PERMITTED: 45% (RT-2 Item 4.8.1 - site coverage for buildings)
EXISTING: 22.7% (Including Replacement School and Existing School)
PROPOSED: 11.7% (Replacement School Only)

FLOOR SPACE RATIO: PERMITTED: 0.600
EXISTING: 0.424 (including Replacement School and Existing School)
PROPOSED: 0.198 (including Replacement School Only)

GROSS FLOOR AREA:
Level 1 (School): 2,430.2 m² (Replacement School Only)
Level 2 (School): 1,671.9 m² (Replacement School Only)
Level 3 (School): 8.4 m² (Replacement School Only)
Level 3 (Childcare): 1,281.5 m² (Replacement School Only)
Sub-Total: 5,192.0 m² (Replacement School Only)

EXCLUSIONS: Level 3 (Childcare): -1,081.5 m² (RT-2 Item 4.7.3 (d) - Childcare facilities, to a max. of 10% of the permitted floor area (1,244.5 m²), may be excluded)

TOTAL AREA: 4,110.5 m² (Replacement School Only)

BUILDING HEIGHT: PERMITTED: 9.2m (Above hypothetical base surface)
EXISTING: Range from 10.4m - 12.5m
(Relaxation granted due to Level 3 Childcare Facility)

FRONT YARD SETBACK: (WEST PROPERTY LINE) REQUIRED: 7.3m
EXISTING: 31.95m (Measured to face of Existing School)
PROPOSED: 81.3 (Measured to face of Replacement School)

SIDE YARD SETBACK: (NORTH PROPERTY LINE) REQUIRED: 6.9m
PROPOSED: 6.0m (Measured to face of Replacement School)
(Relaxation granted on sideyard setback, regarding Zoning Bylaw 11.8.2)
PROPOSED: 6.0m (No change)

REAR YARD SETBACK: (SOUTH PROPERTY LINE) REQUIRED: 10.7m
EXISTING: 1.9m (Measured to face of Existing School)
PROPOSED: 61.6m (Measured to face of Replacement School)

REAR YARD SET BACK: (EAST PROPERTY LINE) REQUIRED: 10.7m (Measured from C/L of Lane, per RT-2 Bylaw #4.6.1)
EXISTING: 11.3m (Measured from C/L of Lane, per RT-2 Bylaw #4.6.1)
PROPOSED: 11.3m (No change)

- GENERAL DEMOLITION NOTES:**
1. ARCHITECTURAL DEMOLITION PLAN TO BE READ IN CONJUNCTION WITH LANDSCAPE ARCHITECTURAL + CIVIL
 2. FOR TREE PROTECTION + PLANTING, SEE LANDSCAPE ARCHITECTURAL
 3. FOR REMEDIAL SITE WORK AFTER DEMOLITION, SEE LANDSCAPE ARCHITECTURAL UNLESS NOTED OTHERWISE - TYPICAL
 4. FOR EROSION AND SEDIMENTATION CONTROL, SEE CIVIL
 5. FOR SITE SERVICES, INCLUDING BEYOND SITE BOUNDARY SHOWN HERE, SEE CIVIL

1 ISSUE FOR TENDER MAY 12, 2025

#	DESCRIPTION	DATE
1	PROFESSIONAL SEAL	

DAVID LLOYD GEORGE ELEMENTARY SCHOOL
1338 WEST 67th AVE.
VANCOUVER BC

PROJECT #: 16017
EXISTING SITE / DEMOLITION PLAN

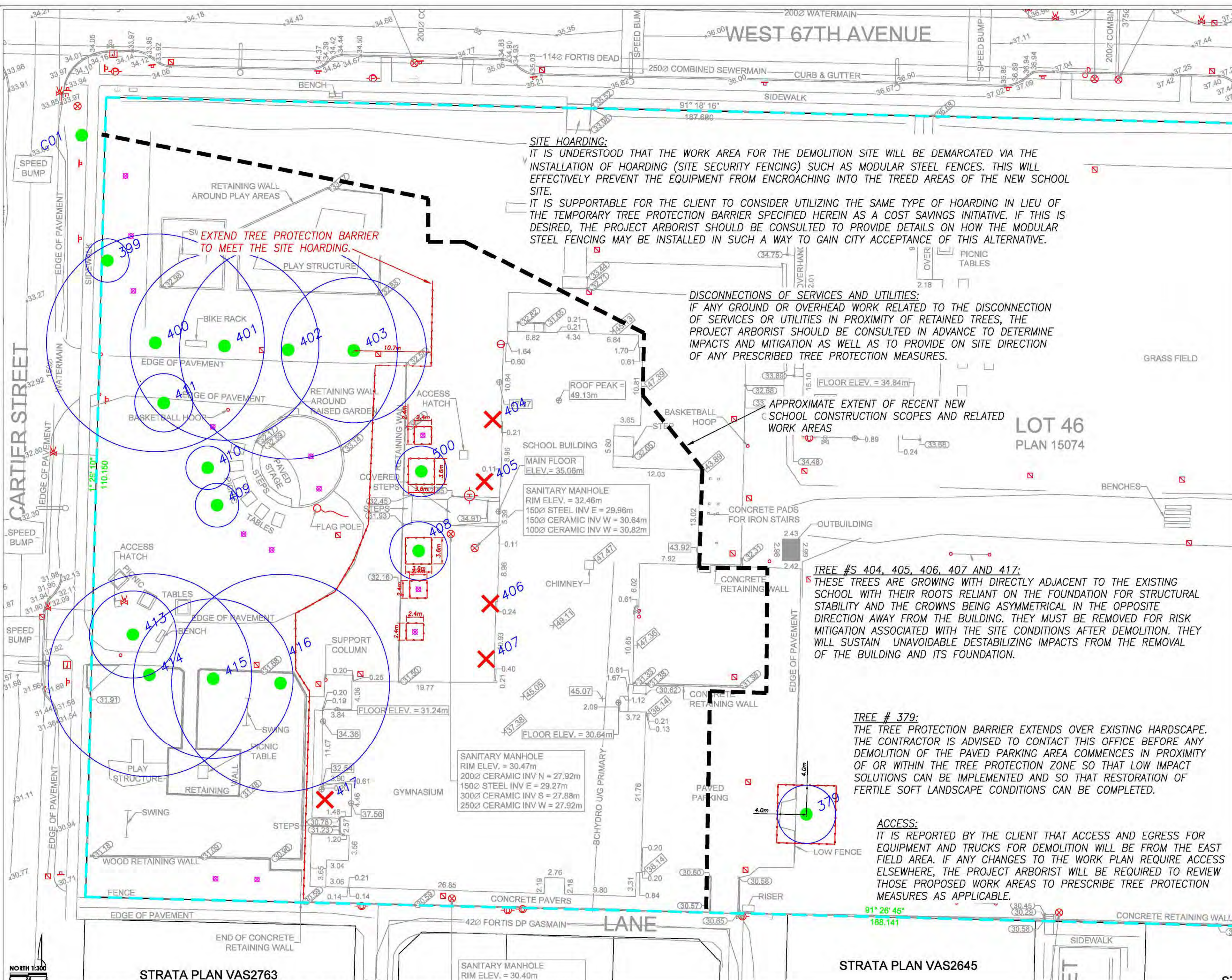
A100



TREE INVENTORY FOR DEMOLITION PHASE

Tree Inventory Legend: TAG ID denotes the serial numbered aluminum tag affixed to the tree or a reference ID as referenced in report and on tree management drawing. Location denotes the ownership of trees based on the survey and project plans...

Table with columns: TAG ID, Species, DBH, Height, Location, Assessment Findings, Action, Rationale, etc. Lists various trees like Western redcedar, Cherry plum, Red oak, etc.



SITE HOARDING: IT IS UNDERSTOOD THAT THE WORK AREA FOR THE DEMOLITION SITE WILL BE DEMARCATED VIA THE INSTALLATION OF HOARDING (SITE SECURITY FENCING) SUCH AS MODULAR STEEL FENCES...

DISCONNECTIONS OF SERVICES AND UTILITIES: IF ANY GROUND OR OVERHEAD WORK RELATED TO THE DISCONNECTION OF SERVICES OR UTILITIES IN PROXIMITY OF RETAINED TREES, THE PROJECT ARBORIST SHOULD BE CONSULTED IN ADVANCE TO DETERMINE IMPACTS AND MITIGATION AS WELL AS TO PROVIDE ON SITE DIRECTION OF ANY PRESCRIBED TREE PROTECTION MEASURES.

APPROXIMATE EXTENT OF RECENT NEW SCHOOL CONSTRUCTION SCOPES AND RELATED WORK AREAS

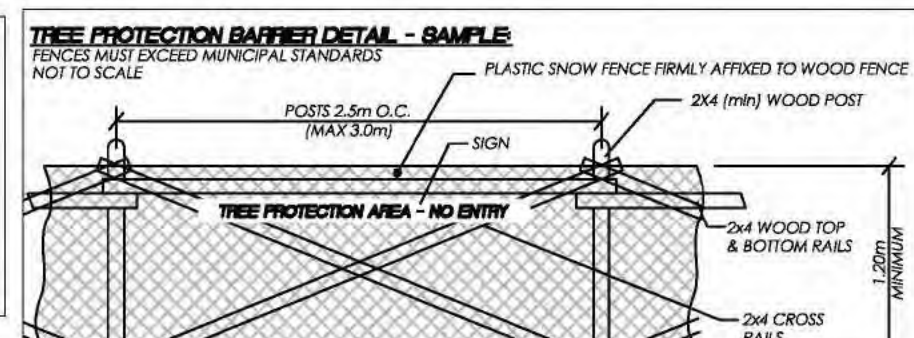
TREE #S 404, 405, 406, 407 AND 417: THESE TREES ARE GROWING WITH DIRECTLY ADJACENT TO THE EXISTING SCHOOL WITH THEIR ROOTS RELIANT ON THE FOUNDATION FOR STRUCTURAL STABILITY AND THE CROWNS BEING ASYMMETRICAL IN THE OPPOSITE DIRECTION AWAY FROM THE BUILDING...

TREE # 379: THE TREE PROTECTION BARRIER EXTENDS OVER EXISTING HARDSCAPE. THE CONTRACTOR IS ADVISED TO CONTACT THIS OFFICE BEFORE ANY DEMOLITION OF THE PAVED PARKING AREA COMMENCES IN PROXIMITY OF OR WITHIN THE TREE PROTECTION ZONE...

ACCESS: IT IS REPORTED BY THE CLIENT THAT ACCESS AND EGRESS FOR EQUIPMENT AND TRUCKS FOR DEMOLITION WILL BE FROM THE EAST FIELD AREA. IF ANY CHANGES TO THE WORK PLAN REQUIRE ACCESS ELSEWHERE, THE PROJECT ARBORIST WILL BE REQUIRED TO REVIEW THOSE PROPOSED WORK AREAS TO PRESCRIBE TREE PROTECTION MEASURES AS APPLICABLE.

TREE RETENTION AND PROTECTION FOR S&A AND DEMOLITION

- LEGEND-TREE MANAGEMENT IN DEVELOPMENT AREA: See arborist report for further details. TAG NUMBER or ID REFERENCE (see tree inventory and assessment list).



DRAWING USE AND COORDINATION: This drawing relies on information and drawings supplied by the client or their consultants. It is the responsibility of the client to ensure that all necessary municipal approvals are in place...

ISSUED FOR DEMOLITION - IFC APPENDIX C: TREE MANAGEMENT DRAWING - DEMO PHASE

Project information including: PROJECT: DEMOLITION AND LANDSCAPE RESTORATION, ADDRESS: DAVID LLOYD GARDER ELEMENTARY 8370 CARTIER ST VANCOUVER BC, CLIENT: VANCOUVER SCHOOL BOARD, CITY REF: 18240, PLO: 18240, DATE: AUG 22, 2025



APPENDIX J

Title: Revised Hazardous Building Materials Assessment
David Lloyd George Elementary, 8370 Cartier Street, Vancouver, BC
Prepared by: **Pinchin West Ltd.**
Dated: September 15, 2016



FINAL
REVISED Hazardous
Building Materials
Assessment

David Lloyd George Elementary
8370 Cartier Street, Vancouver,
BC

Prepared for:

Vancouver Board of Education
School District No. 39
1580 West Broadway
Vancouver, BC V6J 5K8

Attention: Kent Grier, Architect AIBC, MRAIC
Project Manager

September 15, 2016

PWL File: 12952L



Issued to: Vancouver Board of Education
Contact: School District No. 39
Kent Grier, Architect AIBC, MRAIC
Project Manager
Issued on: September 15, 2016
PWL File: 12952L
Issuing Office: Suite 200, 13775 Commerce
Parkway, Richmond, BC V6V 2V4
Primary Contact: Bryan Zecchel, Senior Project
Manager, 604-238-2905



Author: Gordon Watkins, BSc. (Env.), EPT
Senior Technologist
604-258-8717
author@pinchinwest.com

Reviewer: Bryan Zecchel, A.Sc.T
Senior Project Manager
604-238-2905
bzecchel@pinchinwest.com

EXECUTIVE SUMMARY

Vancouver Board of Education School District No. 39 (Client) retained Pinchin West Ltd. (PWL) to conduct a hazardous building materials assessment of David Lloyd George Elementary located at 8370 Cartier Street, Vancouver, BC. PWL performed the assessment on May 2, 2016.

The objective of the assessment was to identify specified hazardous building materials in preparation for building renovation. The results of this assessment are intended for use with a properly developed scope of work and performance specification.

The assessed area consisted of the entire building with the exception of the portable classrooms.

SUMMARY OF FINDINGS

Asbestos: Asbestos-containing materials (ACM) were confirmed to be present as follows:

- Duct mastic found in locations 19, 20, 44 and 63;
- Duct vibration dampeners found in locations 19 and 44;
- Parging cement pipe insulation in locations 19, 23-26, 28-31, 33-35, 38-40, 42-44, 46, 53, 54, 56, 57 and 61;
- Vinyl floor tiles found in locations 21, 31, 35, 36, 46, 48, 50 and 52;
- Vinyl floor tile mastic found in locations 30, 32 and 52;
- Drywall joint compound previously identified in locations 10 and 11;
- Green and black transite cement chalkboards in locations 1, 2, 4-6, 9, 14, 21, 28, 30, 34, 35, 45, 48, 49, 53, 54, 56, 57 and 61.

Lead: Lead was confirmed present in select paints/surface coatings throughout the building and is present in lead flashing on rooftop pipes.

Silica: Crystalline silica is present in concrete, mortar, brick, masonry, ceramics, etc.

Mercury: Mercury vapour is present in fluorescent lamps throughout the building.

Polychlorinated Biphenyls (PCBs): PCBs are present in light ballasts throughout the building.

Ozone Depleting Substances: Ozone depleting substances were not found.

Mould: Mould-impacted materials were not found.

Underground Storage Tanks: An underground storage tank (UST) is reported to exist on the property. Vancouver School Board (VSB) records indicate that a 3000 gallon tank (abandoned and filled with sand) is located 25 feet North Northwest of the West elevation of the 1922 building main building and main entry stair.

SUMMARY OF RECOMMENDATIONS

s. 13(1)



Please refer to Section 4.0 of this report for detailed recommendations regarding administrative, renovation or demolition activities.

This Executive Summary is subject to the same standard limitations as contained in the report and must be read in conjunction with the entire report.

TABLE OF CONTENTS

1.0 INTRODUCTION AND SCOPE 1
 1.1 Scope of Assessment..... 1
 2.0 BACKGROUND INFORMATION 2
 2.1 Building Description 2
 2.2 Existing Reports..... 2
 2.3 Inaccessible Locations 2
 3.0 FINDINGS 3
 3.1 Asbestos 3
 3.2 Lead 10
 3.3 Silica 11
 3.4 Mercury 11
 3.5 Polychlorinated Biphenyls 12
 3.6 Ozone Depleting Substances in Building Equipment 12
 3.7 Mould 12
 3.8 Underground Storage Tank (UST) 12
 4.0 RECOMMENDATIONS 13
 4.1 General 13
 4.2 Building Demolition or Renovation Work 13
 5.0 LIMITATIONS 15
 6.0 REFERENCES 16

APPENDICES

APPENDIX I Drawings
 APPENDIX II-A Asbestos Analytical Certificates
 APPENDIX II-B Lead Analytical Certificates
 APPENDIX II-C PCB Analytical Certificates
 APPENDIX III Methodology
 APPENDIX IV Location Summary Report
 APPENDIX V Hazardous Material Summary Report
 APPENDIX VI All Data Report
 APPENDIX VII Photographs

1.0 INTRODUCTION AND SCOPE

Vancouver Board of Education School District No. 39 (Client) retained Pinchin West Ltd. (PWL) to conduct a hazardous building materials assessment of David Lloyd George Elementary, located at 8370 Cartier Street, Vancouver, BC.

Gordon Watkins, BSc.(Env.), EPT, Senior Technologist performed the assessment on May 2, 2016. The surveyor was unaccompanied during the assessment. The building was occupied at the time of the assessment.

The objective of the assessment was to identify specified hazardous building materials in preparation for building renovation. This assessment is intended to be used for pre-renovation purposes only, and may not provide sufficient detail for long term management of hazardous materials as required by Health and Safety regulations. The results of this assessment are intended for use with a properly developed scope of work and performance specification.

1.1 Scope of Assessment

The assessment was performed to establish the location and type of specified hazardous building materials incorporated in the structure(s) and its finishes. The assessed area consisted of all parts of the building with the exception of the portable classrooms.

For the purpose of the assessment and this report, hazardous building materials are defined as follows:

- Asbestos
- Lead
- Silica
- Mercury
- Polychlorinated Biphenyls (PCBs)
- Ozone Depleting Substances
- Mould

2.0 BACKGROUND INFORMATION

2.1 Building Description

Item	Details
Building Use	School
Number of Floors/Levels	Two Stories plus One Below Grade
Total Area of Building (Square Feet)	~45,000
Year of Construction	1910s with the gym addition in the 1950s
Structure	Concrete, wood
Exterior Cladding	Concrete, brick
HVAC	Boiler and hot water heating to radiators
Roof	Built-up roofing
Flooring	Vinyl tile, vinyl sheet flooring, wood, carpet, ceramic tiles
Interior Walls	Drywall, concrete block, plaster
Ceilings	Plaster, acoustic ceiling tiles

2.2 Existing Reports

PWL was provided, and instructed to rely upon, a list of previous sampling conducted by the Vancouver School Board.

No existing reports were provided for reference.

2.3 Inaccessible Locations

The following rooms or areas of the building were not accessible to the surveyor and are therefore not included in the report:

Area or Room	Reason
Location 47, Electrical Room No. 122	Locked, No Key

3.0 FINDINGS

3.1 Asbestos

The following section summarizes the findings of the assessment and provides a general description of the asbestos materials identified and their locations. Appendix II-A presents the asbestos bulk sample analytical results. For details on quantities, assessment and locations of asbestos materials; refer to the Hazardous Material Summary Report and All Data Report in Appendix V and VI.

3.1.1 Suspect Materials Not Found

The following types of building materials may historically contain asbestos but were not observed in the building and are not discussed in the report findings:

- Spray-applied fireproofing or thermal insulation
- Texture finishes (acoustic/decorative)
- Duct insulation
- Firestopping
- Levelling compound

3.1.2 Thermal Systems Insulation (TSI)

3.1.2.1 Pipe Insulation

Parging cement pipe insulation, previously determined to contain asbestos (and labelled), is present on pipe elbows found in locations 24-26, 28-30, 33-35, 42-44 and 46. Parging cement is a friable material and is in good condition.

Unlabelled parging cement insulation present on pipe elbows found in locations 19, 23, 31, 38, 39, 40, 44, 53, 54, 56, 57 and 61 was sampled (S0012A-B) and determined to be asbestos-containing. Parging cement is a friable material and is in good condition.

Parging cement insulation present on boiler supply pipe elbows found in locations 25 were sampled (S0025A-B) and determined to be non-asbestos.

Canvas present over fibreglass insulation in locations 19, 22 and 23 was sampled (S0013A-B) and determined to be non-asbestos.

Canvas present over fibreglass insulation in the library, location 63, was sampled (S0033A-B) and determined to be non-asbestos.



Unlabelled asbestos-containing pipe elbows.



Labelled asbestos-containing pipe elbows.

3.1.2.2 *Mechanical Equipment Insulation*

Mechanical equipment is insulated with fibreglass.

3.1.3 *Vermiculite*

Destructive testing was conducted at masonry walls. The masonry block walls were penetrated in two locations (Loc. 15 and 25). The locations of destructive testing have been indicated on the floor plan. No vermiculite was observed within masonry block walls. The attic space, location 19, was inspected for loose fill vermiculite. No vermiculite was found.

3.1.4 Acoustic Ceiling Tiles

Four distinct types of acoustic ceiling tile are present in the assessed area.

Sample Number	Locations	Tile Description	Asbestos Content Ceiling Tile	Asbestos Content Mastic Pucks
S0004A-B	7, 9, 15-18, 31, 34, 35, 46, 48, 49, 51, 52, 55, 62	Glued-on Ceiling Tiles with Pinhole Pattern	None Detected	None Detected
2001 Date Stamp	27, 60	2'x4' Lay-in Tiles, 2001 Date Stamp	Presumed Non-Asbestos Based on Date Stamp	-
Fibreglass	8-11, 55, 59, 63	Fibreglass 2'x4'	Presumed Non-Asbestos	-
Fibreboard	45	Fibreboard, Interlocking Tiles	Presumed Non-Asbestos	-



The 2001 date stamp found on some ceiling tiles.

3.1.5 Plaster

Plaster present on walls and ceilings throughout the building was previously sampled and determined to be non-asbestos.

3.1.6 Drywall Joint Compound

Drywall (gypsum board) and drywall joint compound present as a wall finish in locations 10 and 11 was previously sampled and determined to be asbestos-containing.



Drywall walls with asbestos-containing joint compound.

3.1.7 Asbestos Cement Products (Transite)

Green and black chalkboards present in classrooms throughout the school were presumed to be asbestos-containing. Mastic adhesive present behind the chalkboards was previously determined to be asbestos-containing. Destructive testing was not performed as the chalkboards were still in use. Transite and mastic adhesive are non-friable materials and in good condition.



An example of a chalkboard presumed to contain asbestos.

3.1.8 Vinyl Sheet Flooring

Ten distinct types of vinyl sheet flooring are present in the assessed area.

Sample Number	Locations	Sample Description	Asbestos Content Vinyl	Asbestos Content Backing
S0001	1, 2, 4, 5, 6, 8, 10, 11, 14, 28, 53, 54, 56, 57, 61	Red Wave Pattern	None Detected	None Detected
S0003	3, 7, 59, 60	Brown	None Detected	None Detected
S0005	9, 16, 48, 49, 51, 59, 60	Green Wave Pattern	None Detected	None Detected
S0006	9, 10, 11, 36, 50, 58	Black Base Cover	None Detected	None Detected
S0007	15, 16, 18, 62	Yellow Wave Pattern	None Detected	None Detected
S0008	17, 18	Grey Riser Tread	None Detected	None Detected
S0010	17, 18	Red Base Layer	None Detected	None Detected
S0027	34, 35	Beige Mottled Pattern	None Detected	-
S0032	59	Beige Mosaic	None Detected	None Detected
S0035	63	Base Layer	None Detected	None Detected

3.1.9 Vinyl Floor Tile and Mastic

Eight distinct types of vinyl floor tiles are present in the assessed area.

Sample Number	Locations	Sample Description	Asbestos Content Tile	Asbestos Content Mastic
S0002A-C	1, 2, 4, 6, 9, 14, 21, 52-54, 56-58, 61, 62	Black w/ White Flecks	None Detected	None Detected
S0009A-C	17, 18, 27, 58	Beige 12"x12" w/ White Flecks	None Detected	None Detected
S0024A-C	21	Red 9"x9" w/ White Flecks	5% Chrysotile	None Detected
S0026A-C	30, 32	Grey 12"x12"	None Detected	5% Chrysotile
S0028A-C	36, 46	Red 12"x12"	5% Chrysotile	None Detected
S0030A-C	48	Tan 12"x12" w/ Black Streaks	3% Chrysotile	None Detected
S0031A-C	52	Mustard Yellow 12"x12"	3% Chrysotile	5% Chrysotile
Previously Sampled	31, 35, 46, 50, 52	Mustard Yellow 9"x9"	Confirmed	Confirmed



Asbestos-containing vinyl floor tiles.



Non asbestos floor tiles concealing asbestos-containing mastic.

Refer to additional photographs in Appendix VII.

3.1.10 Sealants, Caulking, and Putty

Grey caulking present on exterior flashing was sampled (S0016) and determined to be non-asbestos.

Black duct mastic found on ductwork in locations 19 and 63 was sampled (S0011) and determined to be asbestos-containing.

Silver duct mastic found on exterior ductwork was sampled (S0015) and determined to be asbestos-containing.

Red duct mastic found on ductwork in location 44 was sampled (S0029) and determined to be asbestos-containing.



Asbestos-containing black duct mastic.



Asbestos-containing silver duct mastic.

Refer to additional photographs in Appendix VII.

3.1.11 Roofing Products

Tar shingling present on the upper roof of the main building was sampled (S0019) and determined to be non-asbestos.

Built-up roofing is present on four separate levels of the building. A separate sample was collected at each level.

The roof core collected on the upper roof of the main building (Sample S0020) was determined to be non-asbestos.

The roof core collected on the lower roof of the main building (Sample S0021) was determined to be non-asbestos.

The roof core collected on the upper roof of the gym building (Sample S0022) was determined to be non-asbestos.

The roof core collected on the lower roof of the gym building (Sample S0023) was determined to be non-asbestos.

3.1.12 Other Building Materials

Brick mortar present on exterior cladding was sampled (S0014) and determined to be non-asbestos.

Grey paint present on exterior cladding was sampled (S0017) and determined to be non-asbestos.

White paint present on exterior cladding was sampled (S0018) and determined to be non-asbestos.

Brown mastic pucks present on the concrete beams in location 63 was sampled (S0034) and determined to be non-asbestos.

Black mastic found on concealed terra cotta was sampled (S0036A-B) and determined to be non-asbestos.

Cement plugs used to install screws in concrete walls in the gymnasium were sampled (S0037) and determined to be non-asbestos.

Mortar found on ductwork was sampled (S0038) and determined to be non-asbestos.

Paper concealed behind terra cotta was sampled (S0039) and determined to be non-asbestos.

Textile vibration dampeners present on ductwork in locations 19 and 44 were still in use and not sampled. These materials are therefore presumed to be asbestos-containing.

3.1.13 Presumed Asbestos Materials

A number of materials which might contain asbestos were not sampled during our assessment due to limitations in scope and methodology. Where present, these materials must be presumed to be an asbestos material and are best sampled during project planning and preparation of contract documents for their removal. Materials presumed to contain asbestos are listed in the Methodology.

3.2 Lead

3.2.1 Paints and Surface Coatings

A total of eighteen paint samples were collected from interior and exterior painted finishes.

For details on the types, location, results of paints sampled, refer to Appendix VI.

All paints containing elevated levels of lead are in good condition and not flaking, peeling or delaminating.

Appendix II-B presents the lead testing results.

3.2.2 Lead Products and Applications

Solid lead is present as lead flashing around exhaust pipes on the roof.

Lead is present in mortar found on brick cladding on the exterior of Block 1 at a concentration of <0.005% (Sample L0009). The mortar is not considered lead-based.



An example of lead flashing around exhaust pipes on the roof.

3.2.3 Presumed Lead Materials

Lead may be present in a number of materials which were not assessed and/or sampled. The following materials, where found, should be considered to contain lead.

- electrical components, including wiring connectors
- grounding conductors, and solder
- glazing on ceramic tiles

3.3 Silica

Crystalline silica is a presumed component of the following materials where present in the building:

- poured or pre-cast concrete
- masonry and mortar
- ceramic tiles, grout
- plaster

3.4 Mercury

3.4.1 Lamps

Mercury vapour is present in fluorescent lamps and other lighting that is known to contain mercury such as mercury vapour lamps where present in the assessed area.

3.4.2 Mercury-Containing Devices

Thermostats inspected did not contain liquid mercury ampules.

3.5 Polychlorinated Biphenyls

3.5.1 Caulking

Grey caulking is present at exterior flashing (sample P0001) and contains <0.5 ppm PCBs. The material is a non-PCB solid based on the threshold given in SOR/2008-273 (50 ppm).

Refer to analytical results in Appendix II.

3.5.2 Lighting Ballasts

The building has not been comprehensively re-lamped with new energy efficient light ballasts and lamps, and as such, a percentage of light ballasts may be pre-1980 and contain PCBs.

3.5.3 Transformers

Transformers present in the electrical room (location 47) are presumed to contain PCB dielectric fluid.

3.5.4 Presumed PCB Materials

- voltage regulators

3.6 Ozone Depleting Substances in Building Equipment

Equipment containing ozone depleting substances is not present.

3.7 Mould

Visible mould growth is not present.

3.8 Underground Storage Tank (UST)

An underground storage tank (UST) is reported to exist on the property. Vancouver School Board (VSB) records indicate that a 3000 gallon tank (abandoned and filled with sand) is located 25 feet North Northwest of the West elevation of the 1922 building main building and main entry stair.

In accordance with appropriate regulations and bylaws, the UST will require proper removal and disposal along with any contaminated soil that may be encountered. A UST removal closure report which includes the confirmatory soil sampling will be required once the remediation is complete.

It should be noted that the above information was provided by the client. The scope of this report did not include any subsurface investigation and as such, an environmental assessment of this UST would be required in order to make specific recommendations for remediation.



4.0 RECOMMENDATIONS

s. 13(1)





s.13(1)



5.0 LIMITATIONS

Specific limitations related to the legal and financial and limitations to the scope of the current work are outlined in our proposal, the attached Methodology and the Authorization to Proceed which accompanied the proposal.

The work performed by PWL was conducted in accordance with generally accepted engineering or scientific practices current in this geographical area at the time the work was performed. No warranty is either expressed or implied by furnishing written reports or findings. The Client acknowledges that subsurface and concealed conditions may vary from those encountered or inspected. PWL can only comment on the environmental conditions observed on the date(s) the survey is performed. The work is limited to those materials or areas of concern identified by the Client or outlined in our proposal. Other areas of concern may exist but were not investigated within the scope of this assignment.

PWL makes no other representations whatsoever, including those concerning the legal significance of its findings or as to other legal matters touched on in this report, including, but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory compliance issue, regulatory statutes are subject to interpretation and these interpretations may change over time. PWL accepts no responsibility for consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

The liability of PWL or our officers, directors, shareholders or staff will be limited to the lesser of the fees paid or actual damages incurred by the Client. PWL will not be responsible for any consequential or indirect damages. PWL will only be liable for damages resulting from the negligence of PWL. PWL will not be liable for any losses or damage if the Client has failed, within a period of two years following the date upon which the claim is discovered (Claim Period), to commence legal proceedings against PWL to recover such losses or damage unless the laws of the jurisdiction which governs the Claim Period which is applicable to such claim provides that the applicable Claim Period is greater than two years and cannot be abridged by the contract between the Client and PWL, in which case the Claim Period shall be deemed to be extended by the shortest additional period which results in this provision being legally enforceable.

Information provided by PWL is intended for Client use only. PWL will not provide results or information to any party unless disclosure by PWL is required by law. Any use by a third party of reports or documents authored by PWL or any reliance by a third party on or decisions made by a third party based on the findings described in said documents, is the sole responsibility of such third parties. PWL accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted. No other warranties are implied or expressed.

6.0 REFERENCES

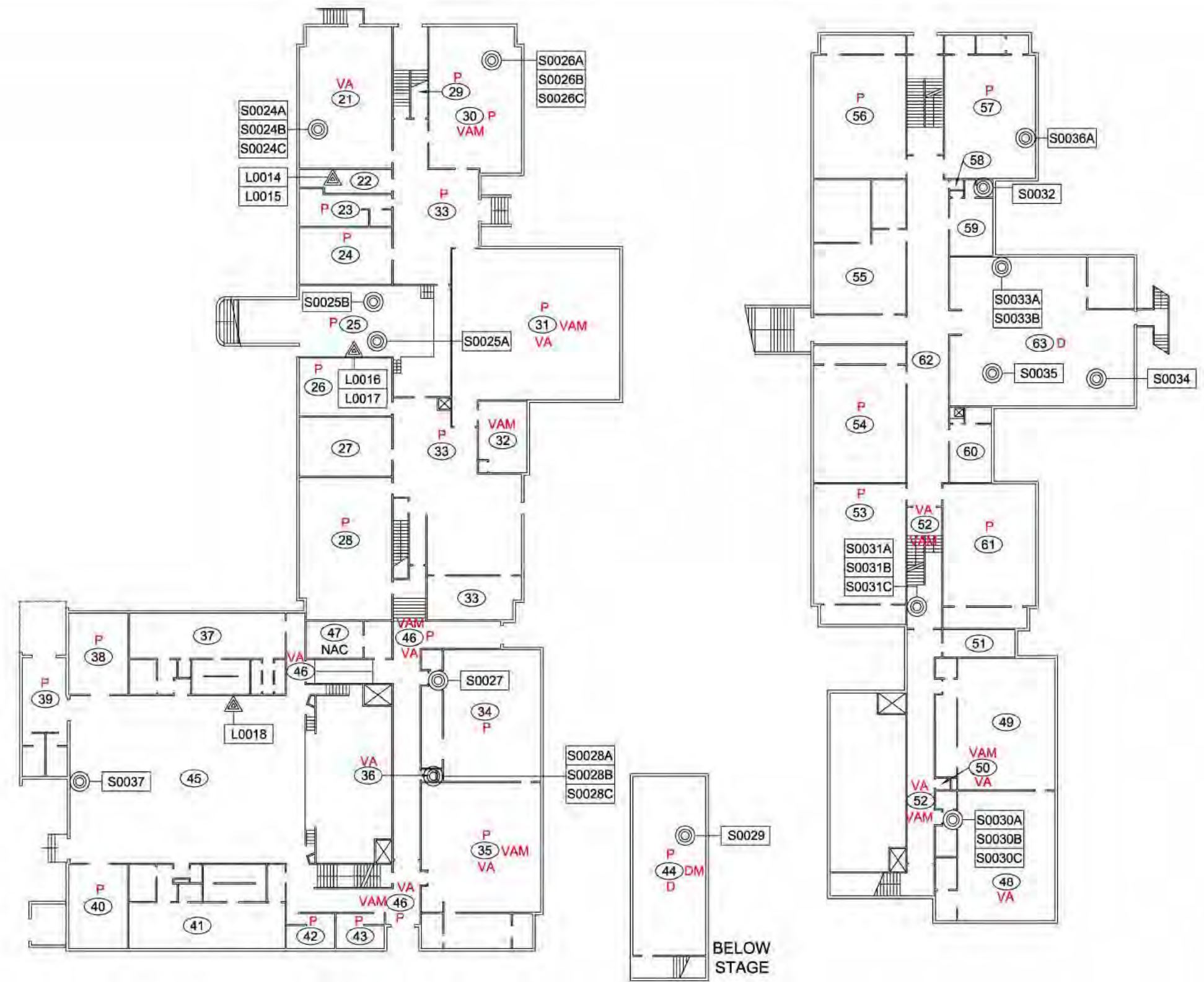
The following legislation and documents were referenced in completing the assessment and this report:

1. Occupational Health and Safety Regulation, B.C. Reg. 296/97, WorkSafe BC.
2. Safe Work Practices for Handling Asbestos, WorkSafe BC, 2012 Edition.
3. Hazardous Waste Regulation, B.C. Reg. 261/2006, BC Ministry of Environment.
4. Ozone Depleting Substances and Other Halocarbons Regulation, B.C. Reg. 220/2006, Environmental Management Act.
5. PCB Regulations, SOR/2008-273, Canadian Environmental Protection Act.
6. Lead-Containing Paint and Coatings, Preventing Exposure in the Construction Industry, WorkSafe BC, June 2011.
7. Transportation of Dangerous Goods Regulations SOR/2008-34, Transportation of Dangerous Goods Act.
8. Mould Guidelines for the Canadian Construction Industry, Standard Construction Document CCA 82 – 2004, Canadian Construction Association.

12952L

Template: Master Report for Hazardous Materials Assessment Report (Tablet Pre-Construction), HAZ, February 1, 2016

APPENDIX I
Drawings



- LEGEND:**
- (X) LOCATION NUMBER
 - (●) ASBESTOS BULK SAMPLE LOCATION
 - (▲) LEAD SAMPLE NUMBER
- ASBESTOS-CONTAINING MATERIALS:**
- P PARGING CEMENT INSULATION
 - D DUCT MASTIC
 - DM DUCT VIBRATION DAMPENER
 - VA VINYL ASBESTOS TILE
 - VAM VINYL TILE MASTIC

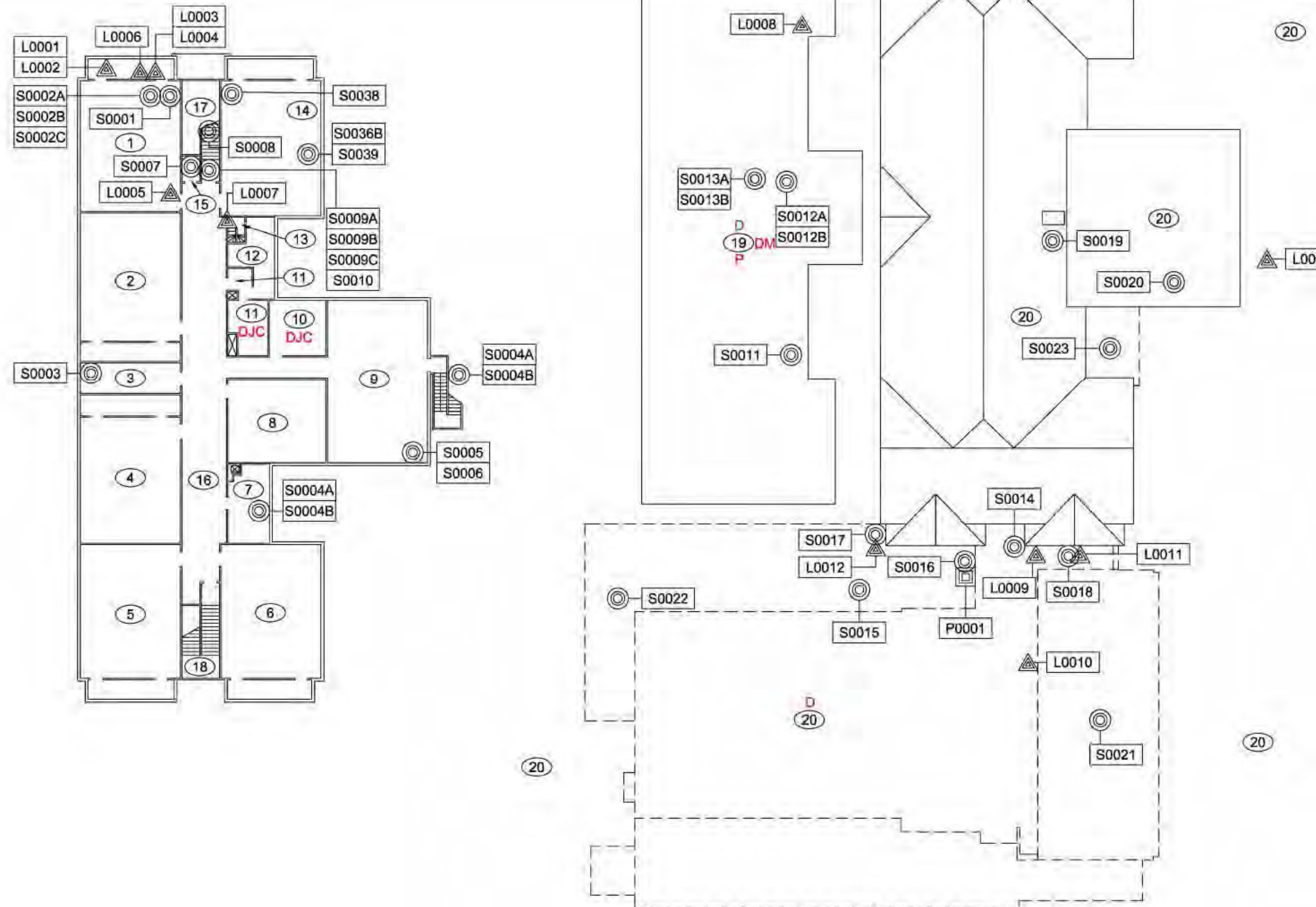
CLIENT: VANCOUVER BOARD OF EDUCATION (SD39)
1580 WEST BROADWAY
VANCOUVER, BC V6J 5K8

LOCATION:
8370 CARTIER STREET
VANCOUVER, BC

TITLE:
DAVID LLOYD GEORGE ELEMENTARY
V.S.B. BUILDING No. 17
BASEMENT & GROUND FLOOR

DATE: 2016/05/04	PROJECT #: 12952L
DRAWN BY: PK	DRAWING: 1 OF 2
CHECKED BY: BZ	
SCALE: NTS	

- NOTES:**
1. ALL DRAWINGS TO BE REFERENCED WITH THE HAZARDOUS MATERIALS ASSESSMENT REPORT. NOT ALL KNOWN OR SUSPECT HAZARDOUS MATERIALS ARE DEPICTED ON THIS DRAWING. REFER TO THE HAZARDOUS MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF IDENTIFIED HAZARDOUS MATERIALS.
 2. BASEPLAN PROVIDED BY THE CLIENT.
 3. LEGEND IS COLOUR DEPENDENT, PHOTOCOPIES MAY ALTER INTERPRETATION OF FIGURE.
 4. LEAD-BASED PAINT IS PRESENT THROUGHOUT THE BUILDING.
 5. SUSPECT ASBESTOS-CONTAINING TRANSITE CEMENT CHALKBOARDS ARE PRESENT IN CLASSROOMS THROUGHOUT THE BUILDING.



LEGEND:

- (X) LOCATION NUMBER
- ⊙ ASBESTOS BULK SAMPLE LOCATION
- ▲ LEAD SAMPLE NUMBER
- PCB BULK SAMPLE LOCATION

ASBESTOS-CONTAINING MATERIALS:

- D DUCT MASTIC
- P PARGING CEMENT INSULATION
- DM DUCT VIBRATION DAMPENER
- DJC DRYWALL JOINT COMPOUND

CLIENT: VANCOUVER BOARD OF EDUCATION (SD39)
1580 WEST BROADWAY
VANCOUVER, BC V6J 5K8

LOCATION:
8370 CARTIER STREET
VANCOUVER, BC

TITLE:
DAVID LLOYD GEORGE ELEMENTARY
V.S.B. BUILDING No. 17
SECOND & ROOF FLOOR

DATE: 2016/05/04 PROJECT #: 12952L

DRAWN BY: PK DRAWING:

CHECKED BY: BZ **2 OF 2**

SCALE: NTS

- NOTES:
1. ALL DRAWINGS TO BE REFERENCED WITH THE HAZARDOUS MATERIALS ASSESSMENT REPORT. NOT ALL KNOWN OR SUSPECT HAZARDOUS MATERIALS ARE DEPICTED ON THIS DRAWING. REFER TO THE HAZARDOUS MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF IDENTIFIED HAZARDOUS MATERIALS.
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PA2016050199

APPENDIX II-A
Asbestos Analytical Certificates



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin West Ltd.
Suite 200, 13775 Commerce Parkway
Richmond, BC V6V 2V4

Attn: Gordon Watkins
Laura Erwin

Lab Order ID: 1608615
Analysis ID: 1608615_PLM
Date Received: 5/4/2016
Date Reported: 5/4/2016

Project: David Lloyd George Elementary

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0001 - A	Vinyl Sheet Flooring,Red Wave Pattern,Loc:1,Classroom	None Detected	35% Cellulose	65% Other	Red Non Fibrous Heterogeneous
1608615PLM_1	vinyl				Dissolved
S0001 - B	Vinyl Sheet Flooring,Red Wave Pattern,Loc:1,Classroom	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1608615PLM_30	mastic				Dissolved
S0002A - A	Vinyl Floor Tiles,Black W/ White Flecks,Loc:1,Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
1608615PLM_2	tile				Dissolved
S0002A - B	Vinyl Floor Tiles,Black W/ White Flecks,Loc:1,Classroom	None Detected		100% Other	Cream Non Fibrous Homogeneous
1608615PLM_51	mastic				Dissolved
S0002B	Vinyl Floor Tiles,Black W/ White Flecks,Loc:1,Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
1608615PLM_3					Dissolved
S0002C	Vinyl Floor Tiles,Black W/ White Flecks,Loc:1,Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
1608615PLM_4	ashed				Ashed
S0003 - A	Vinyl Sheet Flooring,Brown,Loc:3,Office	None Detected	30% Cellulose	70% Other	Brown Non Fibrous Heterogeneous
1608615PLM_5	vinyl				Dissolved
S0003 - B	Vinyl Sheet Flooring,Brown,Loc:3,Office	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1608615PLM_52	mastic				Dissolved

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Bart Huber (69)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin West Ltd.
Suite 200, 13775 Commerce Parkway
Richmond, BC V6V 2V4

Attn: Gordon Watkins
Laura Erwin

Lab Order ID: 1608615
Analysis ID: 1608615_PLM
Date Received: 5/4/2016
Date Reported: 5/4/2016

Project: David Lloyd George Elementary

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0004A - A	Glued-on Ceiling Tiles, Pinhole Pattern, Loc: 7, Office	None Detected	98% Cellulose	2% Other	White, Brown Fibrous Homogeneous
1608615PLM_6	ceiling tile				Teased
S0004A - B	Glued-on Ceiling Tiles, Pinhole Pattern, Loc: 7, Office	None Detected		100% Other	Brown Non Fibrous Homogeneous
1608615PLM_53	mastic				Dissolved
S0004B	Glued-on Ceiling Tiles, Pinhole Pattern, Loc: 7, Office	None Detected	98% Cellulose	2% Other	White, Brown Fibrous Homogeneous
1608615PLM_7	ceiling tile only				Teased
S0005 - A	Vinyl Sheet Flooring, Green Wave Pattern, Loc: 9, Classroom	None Detected	30% Cellulose	70% Other	Green Non Fibrous Heterogeneous
1608615PLM_8	vinyl				Dissolved
S0005 - B	Vinyl Sheet Flooring, Green Wave Pattern, Loc: 9, Classroom	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1608615PLM_54	mastic				Dissolved
S0006 - A	Vinyl Sheet Flooring, Black Base Cover, Loc: 9, Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
1608615PLM_9	vinyl				Dissolved
S0006 - B	Vinyl Sheet Flooring, Black Base Cover, Loc: 9, Classroom	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1608615PLM_55	mastic				Dissolved
S0007 - A	Vinyl Sheet Flooring, Yellow Wave Pattern, Loc: 15, Janitorial	None Detected	30% Cellulose	70% Other	Yellow Non Fibrous Heterogeneous
1608615PLM_10	vinyl				Dissolved

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EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin West Ltd.
Suite 200, 13775 Commerce Parkway
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Attn: Gordon Watkins
Laura Erwin

Lab Order ID: 1608615
Analysis ID: 1608615_PLM
Date Received: 5/4/2016
Date Reported: 5/4/2016

Project: David Lloyd George Elementary

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0007 - B	Vinyl Sheet Flooring, Yellow Wave Pattern, Loc:15, Janitorial	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1608615PLM_56	mastic				Dissolved
S0008 - A	Vinyl Sheet Flooring, Grey Riser Tread, Loc:17, Stairwell North	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1608615PLM_11	vinyl				Dissolved
S0008 - B	Vinyl Sheet Flooring, Grey Riser Tread, Loc:17, Stairwell North	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1608615PLM_57	mastic				Dissolved
S0009A - A	Vinyl Floor Tiles, Beige 12x12" W/ White Flecks, Loc:17, Stairwell North	None Detected		100% Other	Beige Non Fibrous Homogeneous
1608615PLM_12	tile				Dissolved
S0009A - B	Vinyl Floor Tiles, Beige 12x12" W/ White Flecks, Loc:17, Stairwell North	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1608615PLM_58	mastic				Dissolved
S0009B	Vinyl Floor Tiles, Beige 12x12" W/ White Flecks, Loc:17, Stairwell North	None Detected		100% Other	Beige Non Fibrous Homogeneous
1608615PLM_13					Dissolved
S0009C	Vinyl Floor Tiles, Beige 12x12" W/ White Flecks, Loc:17, Stairwell North	None Detected		100% Other	Beige Non Fibrous Homogeneous
1608615PLM_14	ashed				Ashed
S0010 - A	Vinyl Sheet Flooring, Red Base Layer, Loc:17, Stairwell North	None Detected	3% Cellulose	97% Other	Red Non Fibrous Heterogeneous
1608615PLM_15	red layer				Crushed

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin West Ltd.
Suite 200, 13775 Commerce Parkway
Richmond, BC V6V 2V4

Attn: Gordon Watkins
Laura Erwin

Lab Order ID: 1608615
Analysis ID: 1608615_PLM
Date Received: 5/4/2016
Date Reported: 5/4/2016

Project: David Lloyd George Elementary

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0010 - B	Vinyl Sheet Flooring, Red Base Layer, Loc: 17, Stairwell North	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1608615PLM_59	mastic				Dissolved
S0011	Mastic, Black, Loc: 19, Attic	10% Chrysotile		90% Other	Black Non Fibrous Heterogeneous
1608615PLM_16					Dissolved
S0012A	Parging Cement Insulation, Loc: 19, Attic	15% Chrysotile		85% Other	Gray Non Fibrous Heterogeneous
1608615PLM_17					Crushed
S0012B	Parging Cement Insulation, Loc: 19, Attic	Not Analyzed			
1608615PLM_18					
S0013A	Canvas, Loc: 19, Attic	None Detected	98% Cellulose	2% Other	White Fibrous Heterogeneous
1608615PLM_19					Teased
S0013B	Canvas, Loc: 19, Attic	None Detected	98% Cellulose	2% Other	White Fibrous Heterogeneous
1608615PLM_20					Teased
S0014	Masonry, Brick Mortar, Loc: 20, Exterior And Roof	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1608615PLM_21					Crushed
S0015	Mastic, Silver, Loc: 20, Exterior And Roof	3% Chrysotile		97% Other	Silver Non Fibrous Heterogeneous
1608615PLM_22					Crushed, Dissolved

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin West Ltd.
Suite 200, 13775 Commerce Parkway
Richmond, BC V6V 2V4

Attn: Gordon Watkins
Laura Erwin

Lab Order ID: 1608615
Analysis ID: 1608615_PLM
Date Received: 5/4/2016
Date Reported: 5/4/2016

Project: David Lloyd George Elementary

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0016	Caulking,Flashing Caulk,Loc:20,Exterior And Roof	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1608615PLM_23					Dissolved
S0017	Paint,Grey Paint,Loc:20,Exterior And Roof	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1608615PLM_24					Dissolved
S0018	Paint,White Paint,Loc:20,Exterior And Roof	None Detected		100% Other	White Non Fibrous Heterogeneous
1608615PLM_25					Dissolved
S0024A - A	Vinyl Floor Tiles,Red 9x9" W/ White Flecks,Loc:21,Classroom	5% Chrysotile		95% Other	Red Non Fibrous Homogeneous
1608615PLM_26	tile				Dissolved
S0024A - B	Vinyl Floor Tiles,Red 9x9" W/ White Flecks,Loc:21,Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
1608615PLM_60	mastic				Dissolved
S0024B	Vinyl Floor Tiles,Red 9x9" W/ White Flecks,Loc:21,Classroom	Not Analyzed			
1608615PLM_27					
S0024C	Vinyl Floor Tiles,Red 9x9" W/ White Flecks,Loc:21,Classroom	Not Analyzed			
1608615PLM_28					
S0025A - A	Parging Cement Insulation,Boiler Lines,Loc:25,Boiler Room	None Detected	95% Cellulose	5% Other	White Fibrous Homogeneous
1608615PLM_29	wrap				Teased

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Bulk Asbestos Analysis

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EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin West Ltd.
Suite 200, 13775 Commerce Parkway
Richmond, BC V6V 2V4

Attn: Gordon Watkins
Laura Erwin

Lab Order ID: 1608615
Analysis ID: 1608615_PLM
Date Received: 5/4/2016
Date Reported: 5/4/2016

Project: David Lloyd George Elementary

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0025A - B	Parging Cement Insulation,Boiler Lines,Loc:25,Boiler Room	None Detected	10% Cellulose 10% Fiber Glass	80% Other	White Non Fibrous Heterogeneous
1608615PLM_61	mud				Crushed
S0025B - A	Parging Cement Insulation,Boiler Lines,Loc:25,Boiler Room	None Detected	95% Cellulose	5% Other	White Fibrous Homogeneous
1608615PLM_30	wrap				Teased
S0025B - B	Parging Cement Insulation,Boiler Lines,Loc:25,Boiler Room	None Detected	10% Cellulose 10% Fiber Glass	80% Other	White Non Fibrous Heterogeneous
1608615PLM_62	mud				Crushed
S0026A - A	Vinyl Floor Tiles,Grey 12x12",Loc:30,Classroom	None Detected		100% Other	Gray Non Fibrous Homogeneous
1608615PLM_31	tile				Dissolved
S0026A - B	Vinyl Floor Tiles,Grey 12x12",Loc:30,Classroom	5% Chrysotile		95% Other	Black Non Fibrous Homogeneous
1608615PLM_63	mastic				Dissolved
S0026B	Vinyl Floor Tiles,Grey 12x12",Loc:30,Classroom	None Detected		100% Other	Gray Non Fibrous Homogeneous
1608615PLM_32					Dissolved
S0026C	Vinyl Floor Tiles,Grey 12x12",Loc:30,Classroom	None Detected		100% Other	Gray Non Fibrous Homogeneous
1608615PLM_33	ashed				Ashed
S0027	Vinyl Sheet Flooring,Beige Mottled Pattern,Loc:34,Classroom	None Detected	30% Cellulose	70% Other	Beige Non Fibrous Heterogeneous
1608615PLM_34					Dissolved

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Bulk Asbestos Analysis

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Customer: Pinchin West Ltd.
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Richmond, BC V6V 2V4

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Laura Erwin

Lab Order ID: 1608615
Analysis ID: 1608615_PLM
Date Received: 5/4/2016
Date Reported: 5/4/2016

Project: David Lloyd George Elementary

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0028A - A	Vinyl Floor Tiles, Red 12x12", Loc: 36, Janitorial	5% Chrysotile		95% Other	Red Non Fibrous Homogeneous
1608615PLM_35	tile				Dissolved
S0028A - B	Vinyl Floor Tiles, Red 12x12", Loc: 36, Janitorial	None Detected	3% Cellulose	97% Other	Black, Yellow Non Fibrous Heterogeneous
1608615PLM_64	mastic				Dissolved
S0028B	Vinyl Floor Tiles, Red 12x12", Loc: 36, Janitorial	Not Analyzed			
1608615PLM_36					
S0028C	Vinyl Floor Tiles, Red 12x12", Loc: 36, Janitorial	Not Analyzed			
1608615PLM_37					
S0029	Mastic, Red, Loc: 44, Storage Beneath Stage	3% Chrysotile		97% Other	Red Non Fibrous Heterogeneous
1608615PLM_38					Dissolved
S0030A - A	Vinyl Floor Tiles, Tan 12x12" W/ Black Streaks, Loc: 48, Classroom	3% Chrysotile		97% Other	Tan Non Fibrous Homogeneous
1608615PLM_39	tile				Dissolved
S0030A - B	Vinyl Floor Tiles, Tan 12x12" W/ Black Streaks, Loc: 48, Classroom	None Detected	3% Cellulose	97% Other	Yellow Non Fibrous Homogeneous
1608615PLM_65	mastic				Dissolved
S0030B	Vinyl Floor Tiles, Tan 12x12" W/ Black Streaks, Loc: 48, Classroom	Not Analyzed			
1608615PLM_40					

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Attn: Gordon Watkins
Laura Erwin

Lab Order ID: 1608615
Analysis ID: 1608615_PLM
Date Received: 5/4/2016
Date Reported: 5/4/2016

Project: David Lloyd George Elementary

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0030C	Vinyl Floor Tiles, Tan 12x12" W/ Black Streaks, Loc: 48, Classroom	Not Analyzed			
1608615PLM_41					
S0031A - A	Vinyl Floor Tiles, Mustard Yellow 12x12", Loc: 52, Corridor	3% Chrysotile		97% Other	Yellow Non Fibrous Homogeneous
1608615PLM_42	tile				Dissolved
S0031A - B	Vinyl Floor Tiles, Mustard Yellow 12x12", Loc: 52, Corridor	5% Chrysotile		95% Other	Black Non Fibrous Homogeneous
1608615PLM_66	mastic				Dissolved
S0031A - C	Vinyl Floor Tiles, Mustard Yellow 12x12", Loc: 52, Corridor	None Detected	80% Cellulose	20% Other	Black Fibrous Heterogeneous
1608615PLM_67	felt				Teased, Dissolved
S0031B	Vinyl Floor Tiles, Mustard Yellow 12x12", Loc: 52, Corridor	Not Analyzed			
1608615PLM_43					
S0031C	Vinyl Floor Tiles, Mustard Yellow 12x12", Loc: 52, Corridor	Not Analyzed			
1608615PLM_44					
S0032 - A	Vinyl Sheet Flooring, Beige Mosaic, Loc: 59, Nurse Office	None Detected	60% Cellulose 10% Fiber Glass 10% Synthetic Fibers	20% Other	Beige Fibrous Heterogeneous
1608615PLM_45	backing				Teased
S0032 - B	Vinyl Sheet Flooring, Beige Mosaic, Loc: 59, Nurse Office	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1608615PLM_68	mastic				Dissolved

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Laura Erwin

Lab Order ID: 1608615
Analysis ID: 1608615_PLM
Date Received: 5/4/2016
Date Reported: 5/4/2016

Project: David Lloyd George Elementary

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0033A	Canvas, Library Pipe Straights, Loc: 63, Library	None Detected	95% Cellulose	5% Other	White Fibrous Heterogeneous
1608615PLM_46	wrap on fiberglass				Teased
S0033B	Canvas, Library Pipe Straights, Loc: 63, Library	None Detected	95% Cellulose	5% Other	White Fibrous Heterogeneous
1608615PLM_47	wrap on fiberglass				Teased
S0034	Mastic, Mastic Pucks on Structure, Loc: 63, Library	None Detected		100% Other	Brown Non Fibrous Homogeneous
1608615PLM_48					Dissolved
S0035 - A	Vinyl Sheet Flooring, Base Layer, Loc: 63, Library	None Detected	30% Cellulose	70% Other	Brown Non Fibrous Heterogeneous
1608615PLM_49	vinyl				Dissolved
S0035 - B	Vinyl Sheet Flooring, Base Layer, Loc: 63, Library	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1608615PLM_69	mastic				Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Bart Huber (69)

Analyst

Approved Signatory



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

May 9, 2016

Pinchin West Ltd.
Suite 200, 13775 Commerce Parkway
Richmond BC V6V 2V4

Attention: G. Watkins / L. Erwin

Lab Reference No.: b129612
Client Project Name: SD 39, David Lloyd George Elementary, 8370 Cartier Street, Vancouver, BC
Client Project No.: 12952L
Date Received: May 4, 2016
Date Analyzed: May 9, 2016
Analyst(s): A. Wells / T. Ly / K. Cockburn
Samples submitted: 5
Phases analyzed: 20

Methods of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared with representative portions of material and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with all provincial regulatory requirements (NIOSH 9002, I.R.S.S.T. MA-244). Multiple phases within a sample are analyzed and reported separately.

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples' and meets all requirements of ISO/IEC 17025:2005.

This report relates only to the items tested. If you have any questions, please feel free to contact me.

Yours truly,

NOTE: *This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst and the laboratory manager. Vinyl asbestos floor tiles contain very fine fibres of asbestos and may be missed by some laboratories using the PLM method. Internal verification studies performed by Pinchin indicate that the chance of missing asbestos in floor tiles is no higher than about 2%. The vinyl tile study and laboratory documentation on measurement uncertainty are available upon request. The analysis of dust samples by PLM cannot be used as an indicator of past or present airborne asbestos fibre levels.*



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Client Project Name: SD 39, David Lloyd George Elementary, 8370 Cartier Street, Vancouver, BC
 Client Project No.: 12952L
 Prepared For: G. Watkins / L. Erwin

Lab Reference No.: b129612
 Date Analyzed: May 9, 2016

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0019 Tar, Main Building Shingle Roof, Loc:20, Exterior And Roof	3 Phases: a) Homogeneous, black, tar material.	None Detected	Tar and other non-fibrous > 75%
	b) Homogeneous, black, tar impregnated, compressed fibrous material.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%
	c) Homogeneous, black, rocky tar material.	None Detected	Tar > 75% Other Non-Fibrous 10-25%
S0020 Tar, Main Building Upper Roof, Loc:20, Exterior And Roof	3 Phases: a) Homogeneous, black, tar material with fibres.	None Detected	Synthetic Fibres 25-50% Tar and other non-fibrous 50-75%
	b) Homogeneous, black, tar impregnated, compressed fibrous material.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%
	c) Homogeneous, black, tar material.	None Detected	Tar and other non-fibrous > 75%
Comments:	Styrofoam is present on the surface of this sample.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Client Project Name: SD 39, David Lloyd George Elementary, 8370 Cartier Street, Vancouver, BC
 Client Project No.: 12952L
 Prepared For: G. Watkins / L. Erwin

Lab Reference No.: b129612
 Date Analyzed: May 9, 2016

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0021 Tar, Main Building Lower Roof, Loc: 20, Exterior And Roof	4 Phases:		
	a) Non-homogeneous, black, layered, tar material.	None Detected	Tar and other non-fibrous > 75%
	b) Non-homogeneous, black, layered, soft, pliable material.	None Detected	Tar and other non-fibrous > 75%
	c) Non-homogeneous, black, layered, soft, pliable material with fibres.	None Detected	Man-made Vitreous Fibres 10-25% Tar and other non-fibrous > 75%
	d) Non-homogeneous, brown, compressed fibrous material.	None Detected	Cellulose > 75% Tar and other non-fibrous 0.5-5%
Comments:	Foam is present on the surface of this sample.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Client Project Name: SD 39, David Lloyd George Elementary, 8370 Cartier Street, Vancouver, BC
Client Project No.: 12952L
Prepared For: G. Watkins / L. Erwin

Lab Reference No.: b129612
Date Analyzed: May 9, 2016

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0022 Tar,Gym Upper Roof,Loc:20,Exterior And Roof	6 Phases:		
	a) Non-homogeneous, black, layered, tar material.	None Detected	Tar and other non-fibrous > 75%
	b) Non-homogeneous, black, layered, tar impregnated, compressed fibrous material.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%
	c) Non-homogeneous, black, layered, soft, pliable, material.	None Detected	Tar and other non-fibrous > 75%
	d) Non-homogeneous, black, layered, soft, pliable, fibrous material	None Detected	Synthetic Fibres 25-50% Tar and other non-fibrous 50-75%
	e) Non-homogeneous, black, tar material.	None Detected	Tar and other non-fibrous > 75%
	f) Non-homogeneous, black, paper.	None Detected	Cellulose > 75% Man-made Vitreous Fibres 0.5-5% Tar and other non-fibrous 10-25%
Comments:	Foam and cellulose present on the surface of this sample.		



**Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis**

Client Project Name: SD 39, David Lloyd George Elementary, 8370 Cartier Street, Vancouver, BC
 Client Project No.: 12952L
 Prepared For: G. Watkins / L. Erwin
 Lab Reference No.: b129612
 Date Analyzed: May 9, 2016

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0023 Tar, Gym Lower Roof, Loc: 20, Exterior And Roof	4 Phases:		
	a) Non-homogeneous, black, layered, tar material.	None Detected	Tar and other non-fibrous > 75%
	b) Non-homogeneous, black, layered, tar impregnated, compressed fibrous material.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%
	c) Non-homogeneous, black, layered, soft, pliable, material.	None Detected	Tar and other non-fibrous > 75%
	d) Non-homogeneous, black, layered, soft, pliable, fibrous material	None Detected	Synthetic Fibres 25-50% Tar and other non-fibrous 50-75%
Comments:	Cellulose and foam are present on the surface of this sample.		

Reviewed by:

Reporting Analyst:



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



NVLAP Lab Code: 200664-0

Customer: Pinchin West Ltd.
Suite 200, 13775 Commerce Parkway
Richmond, BC V6V 2V4

Attn: Gordon Watkins
Laura Erwin

Lab Order ID: 1616575
Analysis ID: 1616575_PLM
Date Received: 8/24/2016
Date Reported: 8/24/2016

Project: David Lloyd George Elementary

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0036A	Black Mastic on Concealed Terra Cotta, Rm 206 1F	None Detected		100% Other	Black Non Fibrous Heterogeneous
1616575PLM_1					Dissolved
S0036B	Black Mastic on Concealed Terra Cotta, Rm 312 2F	None Detected		100% Other	Black Non Fibrous Heterogeneous
1616575PLM_2					Dissolved
S0037	Cement Plugs for Screws, Gym, 1F	None Detected	90% Cellulose	10% Other	Tan Fibrous Heterogeneous
1616575PLM_3					Ashed
S0038	Mortar on Ductwork, Rm 312 2F	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1616575PLM_4					Crushed
S0039	Paper Concealed behind Terra Cotta, Rm 312 2F	None Detected	80% Cellulose	20% Other	Black Fibrous Heterogeneous
1616575PLM_5					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (5)

Analyst

Approved Signatory

APPENDIX II-B
Lead Analytical Certificates



Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7420



Customer: Pinchin West Ltd.
Suite 200, 13775 Commerce Parkway
Richmond, BC V6V 2V4

Attn: Gordon Watkins
Laura Erwin

Lab Order ID: 1608635
Analysis ID: 1608635_PBP
Date Received: 5/4/2016
Date Reported: 5/4/2016

Project: David Lloyd George Elementary

Sample ID	Description	Mass (g)	Concentration (ppm)	Concentration (% by weight)
Lab Sample ID	Lab Notes			
L0001	Wall, Plaster, Offwhite Plaster,Loc:1,Classroom	0.0517	460	0.046%
1608635PBP_1				
L0002	Ceiling, Plaster, White Plaster,Loc:1,Classroom	0.0594	290	0.029%
1608635PBP_2				
L0003	Other, Wood, White Wood Trim,Loc:1,Classroom	0.0849	1700	0.17%
1608635PBP_3				
L0004	Other, Wood, Black Wood Baseboard,Loc:1,Classroom	0.0567	3400	0.34%
1608635PBP_4				
L0005	Other, Wood, Red Wood Door,Loc:1,Classroom	0.0528	11000	1.1%
1608635PBP_5				
L0006	Pipe, Metal, White Metal Pipe,Loc:1,Classroom	0.0584	500	0.050%
1608635PBP_6				
L0007	Wall, Plaster, Teal Plaster,Loc:13,Janitorial	0.0622	7900	0.79%
1608635PBP_7				
L0008	Structure, Wood, White,Loc:19,Attic	0.0626	130	0.012%
1608635PBP_8				
L0009	Wall, Masonry, Brick Mortar,Loc:20,Exterior And Roof	0.0831	< 48	< 0.005%
1608635PBP_9				
L0010	Other, Metal, Red Flashing,Loc:20,Exterior And Roof	0.0560	130	0.013%
1608635PBP_10				

Unless otherwise noted blank sample correction was not performed on analytical results. Scientific Analytical Institute participates in the AIHA ELPAT program. ELPAT Laboratory ID: 173190. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. Analytical uncertainty available upon request. The quality control samples run with the samples in this report have passed all EPA required specifications unless otherwise noted. RL: (Report Limit for an undiluted 50ml sample is 4µg Total Pb).

Daniel Olson (18)

Analyst

Scientific Analytical Institute, Inc.

Laboratory Director



Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7420



Customer: Pinchin West Ltd.
Suite 200, 13775 Commerce Parkway
Richmond, BC V6V 2V4

Attn: Gordon Watkins
Laura Erwin

Lab Order ID: 1608635
Analysis ID: 1608635_PBP
Date Received: 5/4/2016
Date Reported: 5/4/2016

Project: David Lloyd George Elementary

Sample ID	Description	Mass	Concentration	Concentration
Lab Sample ID	Lab Notes	(g)	(ppm)	(% by weight)
L0011	Wall, Concrete (precast), White Concrete, Loc:20, Exterior And Roof	0.0668	6700	0.67%
1608635PBP_11				
L0012	Wall, Concrete (precast), Grey Concrete, Loc:20, Exterior And Roof	0.0714	1100	0.11%
1608635PBP_12				
L0013	Other, Metal, Black Rails, Loc:20, Exterior And Roof	0.1166	5300	0.53%
1608635PBP_13				
L0014	Wall, Plaster, Blue Plaster, Loc:22, Janitorial	0.0765	370	0.037%
1608635PBP_14				
L0015	Floor, Concrete (precast), Grey Concrete, Loc:22, Janitorial	0.0525	< 76	< 0.008%
1608635PBP_15				
L0016	Wall, Concrete (precast), Mint Green Concrete, Loc:25, Boiler Room	0.0709	4400	0.44%
1608635PBP_16				
L0017	Wall, Concrete (precast), Teal Concrete, Loc:25, Boiler Room	0.0650	2800	0.28%
1608635PBP_17				
L0018	Wall, Concrete (precast), White Concrete, Loc:45, Gym	0.0519	1300	0.13%
1608635PBP_18				

Unless otherwise noted blank sample correction was not performed on analytical results. Scientific Analytical Institute participates in the AIIA ELPAT program. ELPAT Laboratory ID: 173190. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. Analytical uncertainty available upon request. The quality control samples run with the samples in this report have passed all EPA required specifications unless otherwise noted. RL: (Report Limit for an undiluted 50ml sample is 4µg Total Pb).

Daniel Olson (18)

Analyst

Laboratory Director

APPENDIX II-C
PCB Analytical Certificates

Certificate of Analysis

Gordon Watkins

Pinchin West Ltd. (Richmond, BC)
STE 200 - 13775 Commerce PKWY, Richmond, BC, V6V 2V4

Printed: May 10, 2016

Report Description: 1 solid sample was submitted for the following chemical analysis

Project Name: SD 39	Date Sampled: May 02, 2016
Project No.: 12952L	Date Tested: May 10, 2016
Site Location: 8370 Cartier Street, Vancouver, BC	Sampled by: Gordon Watkins

Report Number: 16-0795

No.	Analyte	Result	Units	MDL	Comments	Technique / Test Method
1	Sample ID.: P0001 - Flashing Caulk, Loc: 20, Exterior and Roof					
	PCBs in Solid	<0.5	mg/kg	0.5		LAB-M06 (EPA 3550C/8082A modified)
	Comment(s)	-	N/A	N/A	"mg/kg" is equivalent to "ppm"	N/A

Results relate only to the samples tested above, as received.

Approved By:

Son C.H. Le, B. Eng. (Chem.)

Lab Manager

Phone: (519) 740-1333 Ext.: 230

Fax: (519) 740-2320

Email: SonLe@aevitas.ca

The Analytical Chemistry Laboratory of Aevitas Inc. (Ayr) is accredited for specific tests in accordance with the recognised International Standard ISO/IEC 17025:2005 by the Canadian Association for Laboratory Accreditation (CALA) Inc. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009). The laboratory quality management system of Aevitas Inc. (Ayr) meets the principles of ISO 9001:2008.

All Analytical data is subject to uncertainty which, may vary with sample matrices, sample preparation techniques and instrumental parameters. As a general guideline, uncertainty may be expressed as approximately +/- 50% of the reported value at or near the Method Detection Limit (MDL) and +/-10% or less, of the reported result that is greater than 10 times the MDL. Method Detection Limits are defined as approximately 3 times the standard deviation value (at 99% confidence level), which is obtained from replicate analysis of a low-level standard as per the Ontario MOE - MISA Protocol for the Sampling and Analysis of Industrial / Municipal Wastewater (1999). MDL determination is based on undiluted samples with relatively low matrix interferences. Where dilutions are required, the reported MDL value will be scaled proportionally.

All testing procedures follow strict guidelines and quality assurance / quality control (QA/QC) protocols. QA/QC data is available for review at any time upon client's request.

APPENDIX III
Methodology

1.0 GENERAL

PWL conducts a room-by-room survey (rooms, corridors, service areas, exterior, etc.) to identify the hazardous building materials as defined by the scope of work. All work is conducted in accordance with our own internal Standard Operating Procedures.

Information regarding the location and condition of hazardous building materials encountered and visually estimated quantities are recorded. The locations of any samples collected are recorded on small-scale plans.

As-built drawings and previous reports are referenced where provided.

1.1 Scope Limitations

The assessment excludes the following:

- Articles belonging to the owner, tenant or occupant (e.g. stored items, furniture, appliances, etc.);
- Underground materials or equipment (e.g. vessels, drums, underground storage tanks, pipes, etc.);
- Building envelope, structural components, inaccessible or concealed materials or other items where sampling may cause consequential damage to the property.
- Energized systems (e.g. internal boiler components, elevators, mechanical or electrical components);
- Controlled products (e.g. stored chemicals, operational or process-related substances); and
- Materials not typically associated with construction (e.g. settled dust, spills, residual contamination from prior spills, etc.).

The assessment includes limited demolition of wall and ceiling finishes (drywall or plaster) to view concealed conditions at representative areas as permitted by the current building use. Limited destructive testing of flooring is conducted where possible (under carpets or multiple layers of flooring). Demolition of masonry walls (chases, shafts etc.), structural items or exterior building finishes is not conducted.

1.2 Asbestos

PWL conducts an inspection for the presence of friable and non-friable asbestos-containing materials (ACM). A friable material is a material that when dry can be crumbled, pulverized or powdered by hand pressure.

A separate set of samples is collected of each type of homogenous material suspected to contain asbestos. A homogenous material is defined by the US EPA as material that is uniform in texture and appearance, was installed at one time, and is unlikely to consist of more than one type or formulation of material. The homogeneous materials are determined by visual examination and available information on the phases of construction and prior renovations.

PWL collects samples at a rate that is in compliance with the requirements of local regulations and guidelines.

The sampling strategy is also based on known ban dates and phase out dates of the use of asbestos; sampling of certain building materials is not conducted after specific construction dates. In addition, to be conservative, several years past these dates are added to account for some uncertainty in the exact start/finish date of construction and associated usage of ACM.

In some cases, manufactured products such as asbestos cement pipe are visually identified without sample confirmation.

PWL conducts limited demolition of masonry block walls (core holes) to investigate for loose fill insulation. The core holes are temporarily patched with expanding foam.

PWL undertakes sampling of roofing felts at the client's request using a qualified roofer retained by the owner to assist in collection of the samples and to properly patch the roof in the sample locations.

Flooring mastic/adhesive and leveling compounds are only sampled and analyzed if present on the underside of flooring samples (vinyl floor tile and vinyl sheet flooring).

If present, the following materials are presumed to be asbestos-containing and are best sampled immediately prior to commencing renovation/disturbance:

- concrete floor levelling compound
- electrical components or wiring within control centers, breakers, motors or lights, insulation on wiring
- moulded plastic components (laboratory bench tops)
- insulation under metal clad boilers and vessels
- paper products under wood flooring or metal or slate roofing
- soffit and fascia boards at elevated heights
- mechanical packing, ropes and gaskets
- fire resistant doors or metal clad finishes

PWL submits the bulk samples to a NVLAP accredited laboratory for analysis. The analysis is performed in accordance with Test Method EPA/600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials, July 1993.

In British Columbia an ACM is defined as materials containing 0.5% asbestos by weight, or any amount of asbestos for vermiculite insulation.

The asbestos analysis is completed using a stop positive approach. Only one result meeting the above regulated criteria is required to determine that a material is asbestos-containing, but all samples must be analyzed to conclusively determine that a material is non-asbestos. The laboratory stops analyzing samples from a homogeneous material once a result equal to or greater than the regulated criteria is detected in any of the samples of that material. All samples of a homogeneous material are analyzed if no asbestos is detected. In some cases, all samples are analyzed in the sample set regardless of result. Where building materials are described in the report as non-asbestos, this means that either no asbestos was detected by the analytical method utilized in any of the multiple samples or, if detected, it is below the lower limit of an asbestos-containing material in the applicable regulation.

1.3 Lead

PWL collects samples of distinctive paint finishes and surface coatings present in more than a limited application, where removal of the paint is possible. PWL collects samples by scraping the painted finish to include base and covering applications. Drawings included show sample locations.

Analysis for lead in paints or surface coatings is performed at an accredited laboratory in accordance with EPA Method No. 3050B/Method No. 7420; flame atomic absorption.

For this report, all paints containing lead at a concentration of 0.009% or greater are discussed. Paint and surface coatings are evaluated for condition such as flaking, chipping or chalking.

Other lead building products (e.g. batteries, lead sheeting, flashing) are identified by visual observation only.

1.4 Silica

PWL identifies building materials suspected of containing crystalline silica (e.g. concrete, cement, tile, brick, masonry, mortar) by knowledge of current and historic applications and visual inspection only. PWL does not perform sampling of these materials for laboratory analysis of crystalline silica content.

1.5 Mercury

Building materials/products/equipment (e.g. thermostats, barometers, pressure gauges, light tubes), suspected to contain mercury are identified by visual inspection only. Dismantling of equipment

suspected of containing mercury is not performed. Sampling of these materials for laboratory analysis of mercury content is not performed.

Mercury spills or damaged mercury-containing equipment are recorded where observed.

1.6 Polychlorinated Biphenyls

PWL determines the potential for light ballasts to contain PCBs based on the age of the building, a review of maintenance records and examination of labels or nameplates on equipment, where present and accessible. The information is compared to known ban dates of PCBs and Environment Canada publications. Other than light ballasts and pole mounted transformers, all other liquid uses of PCBs should have been discontinued.

PWL records spills or leakage of suspect PCB-containing fluids where observed or identified in historical documents.

PWL samples exterior caulking or sealants for PCBs based on the date of construction or installation. Caulking installed after 1985 is presumed to be free of PCBs and hence not sampled. If sampled, analysis for PCBs is performed using an ASTM test method appropriate to the sample matrix at an accredited laboratory.

1.7 Ozone Depleting Substances (ODS)

PWL determines the potential presence of ODS (chlorofluorocarbon, hydrochlorofluorocarbon, hydrofluorocarbon, halon, etc.) in air conditioning units, chillers, commercial coolers and fire suppression systems by visual inspection of manufactures' labels or plates, maintenance records, or log books, etc.

Domestic type equipment such as window mounted and small central air conditioners, refrigerators, and freezers are not evaluated for the presence of ODS.

1.8 Visible Mould

PWL identifies the presence of mould if visibly present in a significant quantity on exposed building surfaces. If any mould growth is concealed within wall cavities it is not addressed in this assessment.

Master Template: Methodology Document for Hazardous Building Materials Pre-Construction, HAZ, February 1, 2016

APPENDIX IV
Location Summary Report



LOCATIONS LIST

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02

Location No.	Name or Description	ft ²	Floor No.	Notes
1	Classroom, room no. 307	650	2	
2	Classroom, room no. 308	650	2	
3	Office, room no. 315	200	2	
4	Classroom, room no. 309	650	2	
5	Classroom, room no. 310	650	2	
6	Classroom, room no. 311	650	2	
7	Office, room no. 313	200	2	
8	Staff Room, room no. 314	650	2	
9	Classroom, room no. 302	650	2	
10	Office, room no. 303	200	2	
11	Office And Vestibule, room no. 304/305	200	2	
12	Staff Washroom, room no. 306	200	2	
13	Janitorial, room no. 301B	100	2	
14	Classroom, room no. 312	650	2	
15	Janitorial, room no. 301A	100	2	
16	Corridor	1500	2	
17	Stairwell North, room no. 399	500		
18	Stairwell South, room no. 398	500		
19	Attic	5000	3	
20	Exterior And Roof			
21	Classroom, room no. 119	650	B	
22	Janitorial, room no. 127	200	B	
23	Office, room no. 128	200	B	
24	Boy's Washroom, room no. 129	250	B	
25	Boiler Room, room no. 130	650	B	
26	Girl's Washroom, room no. 131	250	B	
27	Classroom, room no. 118	650	B	
28	Classroom, room no. 117	650	B	
29	Janitorial, room no. 126	100	B	
30	Classroom, room no. 120	650	B	
31	Cafeteria, room no. 124	1000	B	
32	Kitchen, room no. 124A	300	B	
33	Corridor	2000	B	
34	Classroom, room no. 116	650	B	
35	Classroom, room no. 115	650	B	
36	Janitorial, room no. 121A	60	B	
37	Girl's Changeroom, room no. 113	500	B	
38	Gym Storage, room no. 112	200	B	
39	Gym Entry And Washrooms	250	B	
40	Gym Storage, room no. 105	200	B	
41	Boy's Changeroom, room no. 104	500	B	
42	Boy's Washroom, room no. 103	200	B	
43	Girl's Washroom, room no. 102	200	B	
44	Storage Beneath Stage, room no. 001	400	B	
45	Gym	5000	B	
46	Corridor	2000	B	
47	Electrical Room, room no. 122	300	B	
48	Classroom, room no. 214	650	1	
49	Classroom, room no. 213	650	1	



LOCATIONS LIST

50	Janitorial, room no. 210	60	1	
51	Storage	200	1	
52	Corridor	800	1	
53	Classroom, room no. 204	650	1	
54	Classroom, room no. 203	650	1	
55	General Office, room no. 202	650	1	
56	Classroom, room no. 201	650	1	
57	Classroom, room no. 206	650	1	
58	Janitorial, room no. 200A	60	1	
59	Nurse Office, room no. 209	200	1	
60	Office, room no. 207	200	1	
61	Classroom, room no. 205	650	1	
62	Corridor	1500	1	
63	Library, room no. 208	1000	1	

APPENDIX V
Hazardous Material Summary Report



HAZARDOUS MATERIALS SUMMARY

1-877-322-4744
www.pinchinwest.com

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02

HAZARDOUS MATERIALS SUMMARY - ASBESTOS CONTAINING MATERIALS (ACM)									
Sample No.	System	Material/Notes	Friable	Location(s)	Substance	Amount	Unit	Positive	
S0001	FLOOR	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes	1,2,4,5,6,8,10,11,14,28,53,54,56,57,61	None Detected			No	
S0002	FLOOR	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No	1,2,4,6,9,14,21,52,53,54,56,57,58,61,62	None Detected			No	
S0003	FLOOR	VINYL SHEET FLOORING, BROWN	Yes	3,7,59,60	None Detected			No	
S0004	CEILING	GLUED-ON CEILING TILES, PINHOLE PATTERN	Yes	7,9,15,16,17,18,31,34,35,46,48,49,51,52,55,62	None Detected			No	
S0005	FLOOR	VINYL SHEET FLOORING, GREEN WAVE PATTERN	Yes	9,16,48,49,51,59,60	None Detected			No	
S0006	OTHER	VINYL SHEET FLOORING, BLACK BASE COVER	Yes	9,10,11,36,50,58	None Detected			No	
S0007	FLOOR	VINYL SHEET FLOORING, YELLOW WAVE PATTERN	Yes	15,16,18,62	None Detected			No	
S0008	FLOOR	VINYL SHEET FLOORING, GREY RISER TREAD	Yes	17,18	None Detected			No	
S0009	FLOOR	VINYL FLOOR TILES, BEIGE 12X12" W/ WHITE FLECKS	No	17,18,27,58	None Detected			No	
S0010	FLOOR	VINYL SHEET FLOORING, RED BASE LAYER	Yes	17,18	None Detected			No	
S0011	DUCT	MASTIC, BLACK	No	19,63	Chrysotile	10	%	Yes	
S0012	PIPE	PARGING CEMENT INSULATION	Yes	19,23,31,38,39,40,44,53,54,56,57,61	Chrysotile	15	%	Yes	
S0013	PIPE	CANVAS	No	19,22,23	None Detected			No	
S0014	WALL	MASONRY, BRICK MORTAR	No	20	None Detected			No	
S0015	DUCT	MASTIC, SILVER	No	20	Chrysotile	3	%	Yes	
S0016	OTHER	CAULKING, FLASHING CAULK	No	20	None Detected			No	
S0017	OTHER	PAINTED, GREY PAINT	No	20	None Detected			No	
S0018	OTHER	PAINTED, WHITE PAINT	No	20	None Detected			No	
S0019	OTHER	TAR, MAIN BUILDING SHINGLE ROOF	No	20	None Detected			No	
S0020	OTHER	TAR, MAIN BUILDING UPPER ROOF	No	20	None Detected			No	
S0021	OTHER	TAR, MAIN BUILDING LOWER ROOF	No	20	None Detected			No	
S0022	OTHER	TAR, GYM UPPER ROOF	No	20	None Detected			No	
S0023	OTHER	TAR, GYM LOWER ROOF	No	20	None Detected			No	



HAZARDOUS MATERIALS SUMMARY

S0024	FLOOR	VINYL FLOOR TILES, RED 9X9" W/ WHITE FLECKS	No	21	Chrysotile	5	%	Yes
S0025	PIPE	PARGING CEMENT INSULATION, BOILER LINES	Yes	25	None Detected			No
S0026	FLOOR	VINYL FLOOR TILES, GREY 12X12"	No	30,32	Chrysotile	5	%	Yes
S0027	FLOOR	VINYL SHEET FLOORING, BEIGE MOTTLED PATTERN	Yes	34,35	None Detected			No
S0028	FLOOR	VINYL FLOOR TILES, RED 12X12"	No	36,46	Chrysotile	5	%	Yes
S0029	DUCT	MASTIC, RED	No	44	Chrysotile	3	%	Yes
S0030	FLOOR	VINYL FLOOR TILES, TAN 12X12" W/ BLACK STREAKS	No	48	Chrysotile	3	%	Yes
S0031	FLOOR	VINYL FLOOR TILES, MUSTARD YELLOW 12X12"	No	52	Chrysotile	5	%	Yes
S0032	FLOOR	VINYL SHEET FLOORING, BEIGE MOSAIC	Yes	59	None Detected			No
S0033	PIPE	CANVAS, LIBRARY PIPE STRAIGHTS	No	63	None Detected			No
S0034	OTHER	MASTIC, MASTIC PUCKS ON STRUCTURE	No	63	None Detected			No
S0035	FLOOR	VINYL SHEET FLOORING, BASE LAYER	Yes	63	None Detected			No
S0036	OTHER	MASTIC, BLACK MASTIC ON CONCEALED TERRA COTTA	No	14,57	None Detected			No
S0037	OTHER	TEXTILE, CEMENT PLUGS FOR SCREWS	No	45	None Detected			No
S0038	DUCT	MASONRY, MORTAR ON DUCTWORK	No	14	None Detected			No
S0039	OTHER	PAPER, PAPER CONCEALED BEHIND TERRA COTTA	No	14	None Detected			No
V9000	WALL	DRYWALL AND JOINT COMPOUND	No	10,11	Visually Confirmed			Yes
V9000	PIPE	PARGING CEMENT INSULATION	Yes	24,25,26,28,29,30,33,34,35,42,43,44	Visually Confirmed			Yes
V9000	FLOOR	VINYL FLOOR TILES	No	31,35,46,50,52	Visually Confirmed			Yes
V9500	OTHER	TRANSITE (ASBESTOS CEMENT)	No	1,2,4,5,6,9,14,21,28,30,34,35,45,48,49,53,54,56,57,61	Presumed Asbestos			Yes
V9500	DUCT	TEXTILE	No	19,44	Presumed Asbestos			Yes
V9500	PIPE	PARGING CEMENT INSULATION	Yes	46	Presumed Asbestos			Yes



HAZARDOUS MATERIALS SUMMARY

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02

HAZARDOUS MATERIALS SUMMARY - LEAD BASED PAINT (LBP)

Sample No.	System	Description	Location(s)	Substance	Amount	Unit	Positive
L0001	WALL	OFFWHITE PLASTER	1,2,3,4,5,6,7,8,9,10,11,13,14,15,23,29,31,36,44,50,53,54,55,56,57,58,59,60,61	Lead	0.46	%	Yes
L0002	CEILING	WHITE PLASTER	1,2,3,4,5,6,7,8,9,10,11,12,14,16,21,24,26,27,28,30,31,33,34,35,37,38,39,40,41,42,43,46,48,49,51,52,53,54,55,56,57,59,60,61,62,63	Lead	0.029	%	Yes
L0003	OTHER	WHITE WOOD TRIM	1,2,3,4,5,6,7,8,9,10,11,14,16,21,28,30,31,33,34,35,46,48,49,52,53,54,55,56,57,59,60,61,62	Lead	0.17	%	Yes
L0004	OTHER	BLACK WOOD BASEBOARD	1,2,3,4,5,6,7,8,9,10,11,12,14,16,21,24,26,28,30,31,33,34,35,37,41,42,43,46,48,49,52,53,54,55,56,57,59,60,61,62	Lead	0.34	%	Yes
L0005	OTHER	RED WOOD DOOR	1,2,3,4,5,6,7,8,9,10,11,14,16,21,28,30,31,33,34,35,37,41,46,48,49,52,53,54,55,56,57,59,60,61,62	Lead	1.1	%	Yes
L0006	PIPE	WHITE METAL PIPE	1,2,3,4,5,6,7,8,9,10,11,14,16,21,28,30,31,33,34,35,46,48,49,52,53,54,55,56,57,59,60,61,62	Lead	0.050	%	Yes
L0007	WALL	TEAL PLASTER	13,32	Lead	0.79	%	Yes
L0008	STRUCTURE	WHITE	19,44,45	Lead	0.012	%	Yes
L0009	WALL	BRICK MORTAR	20	Lead	<0.005	%	No
L0010	OTHER	RED FLASHING	20	Lead	0.013	%	Yes
L0011	WALL	WHITE CONCRETE	20	Lead	0.67	%	Yes
L0012	WALL	GREY CONCRETE	20	Lead	0.11	%	Yes
L0013	OTHER	BLACK RAILS	20	Lead	0.53	%	Yes
L0014	WALL	BLUE PLASTER	22	Lead	0.037	%	Yes
L0015	FLOOR	GREY CONCRETE	22,23,25,29	Lead	<0.008	%	No
L0016	WALL	MINT GREEN CONCRETE	25	Lead	0.44	%	Yes
L0017	WALL	TEAL CONCRETE	25	Lead	0.28	%	Yes
L0018	WALL	WHITE CONCRETE	45	Lead	0.13	%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02

HAZARDOUS MATERIALS SUMMARY - LEAD (PB) PRODUCTS

Component	Total Quantity (Estimated)	Location(s)
LEAD PIPES	30	20



HAZARDOUS MATERIALS SUMMARY

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02

HAZARDOUS MATERIALS SUMMARY - MERCURY (HG)

Component	Total Quantity (Estimated)	Location(s)
FLUORESCENT LIGHT TUBE	1108	1,10,11,12,14,16,17,18,2,21,22,23,24,25,26,27,28,3,30,31,32,33,34,35,37,38,39,4,40,41,42,43,45,46,48,49,5,52,53,54,55,56,57,59,6,60,61,62,63,7,8,9

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02

HAZARDOUS MATERIALS SUMMARY - POLYCHLORINATED BIPHENYLS (PCB)

Component	Total Quantity (Estimated)	Location(s)	Amount	Unit	Positive
LIGHT BALLASTS	497	1,10,11,12,14,16,17,18,2,21,22,23,24,25,26,28,3,30,31,32,33,34,35,37,38,39,4,40,41,42,43,45,46,48,49,5,52,53,54,55,56,57,59,6,60,61,62,63,7,8,9			Yes
CAULKING	2000	20	<0.5	mg/kg	No

APPENDIX VI
All Data Report



ALL DATA REPORT

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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 1 Location Name: Classroom Floor: 2 Room #: 307 Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			600	SF	S0001	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			17	SF	S0002A	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			17	SF	S0002B	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			17	SF	S0002C	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 2 Location Name: Classroom Floor: 2 Room #: 308 Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			600	SF	V0001	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			50	SF	V0002	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes



ALL DATA REPORT

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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 3 Location Name: Office Floor: 2 Room #: 315 Square ft: 200

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, BROWN	Yes			200	SF	S0003	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 4 Location Name: Classroom Floor: 2 Room #: 309 Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			200	SF	V0001	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			50	SF	V0002	NON-ASBESTOS		No
FLOOR	ALL	CARPET	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	ALL	NOT INSULATED	No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes



ALL DATA REPORT

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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 5 Location Name: Classroom Floor: 2 Room #: 310 Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			650	SF	V0001	NON-ASBESTOS		No
FLOOR	ALL	CARPET	No	SURFACE		0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	ALL	NOT INSULATED	No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 6 Location Name: Classroom Floor: 2 Room #: 311 Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			645	SF	V0001	NON-ASBESTOS		No
FLOOR	ALL	CARPET	No	SURFACE		0			~		No
FLOOR	ALL	VINYL FLOOR TILES	No			5	SF	V0002	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	ALL	NOT INSULATED	No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes



ALL DATA REPORT

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Project #: 12952L
Location #: 7

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Office

Building Name: David Lloyd George Elementary
Floor: 2

Surveyor: Gordon Watkins
Room #: 313

Survey Date: 2016-05-02
Square ft: 200

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, BROWN	Yes	BASE		200	SF	V0003	NON-ASBESTOS		No
FLOOR	ALL	VINYL SHEET FLOORING, NO BACKING	Yes	SURFACE		100	%	V0000	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES, PINHOLE PATTERN	Yes			75	SF	S0004A	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES, PINHOLE PATTERN	Yes			75	SF	S0004B	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L
Location #: 8

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Staff Room

Building Name: David Lloyd George Elementary
Floor: 2

Surveyor: Gordon Watkins
Room #: 314

Survey Date: 2016-05-02
Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			650	SF	V0001	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	FIBREGLASS	No			100	%	V0000	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L
Location #: 9

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: 2

Surveyor: Gordon Watkins
Room #: 302

Survey Date: 2016-05-02
Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, GREEN WAVE PATTERN	Yes			650	SF	S0005	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			50	SF	V0002	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	FIBREGLASS	No			100	%	V0000	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes			100	SF	V0004	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	ALL	NOT INSULATED	No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes
OTHER	ALL	VINYL SHEET FLOORING, BLACK BASE COVER	Yes			80	LF	S0006	NON-ASBESTOS		No
OTHER	ALL	DRYWALL NO COMPOUND	No			100	%	V0000	NON-ASBESTOS		No

Project #: 12952L
Location #: 10

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Office

Building Name: David Lloyd George Elementary
Floor: 2

Surveyor: Gordon Watkins
Room #: 303

Survey Date: 2016-05-02
Square ft: 200

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING	Yes			200	SF	V0001	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	FIBREGLASS	No			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	SF	V0000	NON-ASBESTOS		No
WALL	ALL	DRYWALL AND JOINT COMPOUND, PREVIOUSLY SAMPLED	No			300	SF	V9000	CONFIRMED		Yes
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	VINYL SHEET FLOORING	Yes			30	LF	V0006	NON-ASBESTOS		No



ALL DATA REPORT

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Project #: 12952L
Location #: 11

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Office And Vestibule

Building Name: David Lloyd George Elementary
Floor: 2

Surveyor: Gordon Watkins
Room #: 304/305

Survey Date: 2016-05-02
Square ft: 200

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING	Yes			200	SF	V0001	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	FIBREGLASS	No			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	SF	V0000	NON-ASBESTOS		No
WALL	ALL	DRYWALL AND JOINT COMPOUND, PREVIOUSLY SAMPLED	No			300	SF	V9000	CONFIRMED		Yes
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	VINYL SHEET FLOORING	Yes			30	LF	V0006	NON-ASBESTOS		No

Project #: 12952L
Location #: 12

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Staff Washroom

Building Name: David Lloyd George Elementary
Floor: 2

Surveyor: Gordon Watkins
Room #: 306

Survey Date: 2016-05-02
Square ft: 200

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CERAMIC TILES	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No



ALL DATA REPORT

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
 Location #: 13 Location Name: Janitorial Floor: 2 Room #: 301B Square ft: 100

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
CEILING	NOT FOUND		No			0			~		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			300	SF	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
 Location #: 14 Location Name: Classroom Floor: 2 Room #: 312 Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			600	SF	V0001	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			50	SF	V0002	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	ALL	MASONRY, MORTAR ON DUCTWORK	No			100	%	S0038	NON-ASBESTOS		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes
OTHER	ALL	MASTIC, BLACK MASTIC ON CONCEALED TERRA COTTA	No			100	%	S0036B	NON-ASBESTOS		No
OTHER	ALL	PAPER, PAPER CONCEALED BEHIND TERRA COTTA	No			100	%	S0039	NON-ASBESTOS		No



ALL DATA REPORT

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Project #: 12952L
Location #: 15

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Janitorial

Building Name: David Lloyd George Elementary
Floor: 2

Surveyor: Gordon Watkins
Room #: 301A

Survey Date: 2016-05-02
Square ft: 100

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, YELLOW WAVE PATTERN	Yes			100	SF	S0007	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes			100	SF	V0004	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	SF	V0000	NON-ASBESTOS		No
WALL	ALL	MASONRY	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L
Location #: 16

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Corridor

Building Name: David Lloyd George Elementary
Floor: 2

Surveyor: Gordon Watkins
Room #:

Survey Date: 2016-05-02
Square ft: 1500

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING	Yes			1400	SF	V0007	NON-ASBESTOS		No
FLOOR	ALL	VINYL SHEET FLOORING	Yes			100	SF	V0005	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes	SURFACE		1500	SF	V0004	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No	BASE		1500	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	MASONRY	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No



ALL DATA REPORT

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Project #: 12952L
Location #: 17

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Stairwell North

Building Name: David Lloyd George Elementary
Floor:

Surveyor: Gordon Watkins
Room #: 399

Survey Date: 2016-05-02
Square ft: 500

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, GREY RISER TREAD	Yes			300	SF	S0008	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BEIGE 12X12" W/ WHITE FLECKS	No			66	SF	S0009A	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BEIGE 12X12" W/ WHITE FLECKS	No			66	SF	S0009B	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BEIGE 12X12" W/ WHITE FLECKS	No			66	SF	S0009C	NON-ASBESTOS		No
FLOOR	ALL	VINYL SHEET FLOORING, RED BASE LAYER	Yes	BASE		100	SF	S0010	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes			500	SF	V0004	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	ALL		No			0			~		No

Project #: 12952L
Location #: 18

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Stairwell South

Building Name: David Lloyd George Elementary
Floor:

Surveyor: Gordon Watkins
Room #: 398

Survey Date: 2016-05-02
Square ft: 500

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, GREY RISER TREAD	Yes			300	SF	V0008	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BEIGE 12X12" W/ WHITE FLECKS	No			150	SF	V0009	NON-ASBESTOS		No
FLOOR	ALL	VINYL SHEET FLOORING, RED BASE LAYER	Yes	BASE		100	SF	V0010	NON-ASBESTOS		No
FLOOR	ALL	VINYL SHEET FLOORING	Yes			50	SF	V0007	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes			500	SF	V0004	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	ALL		No			0			~		No



ALL DATA REPORT

Project #: 12952L
Location #: 19

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Attic

Building Name: David Lloyd George Elementary
Floor: 3

Surveyor: Gordon Watkins
Room #:

Survey Date: 2016-05-02
Square ft: 5000

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	ALL	MASTIC, BLACK	No			300	LF	S0011	CHRYSTILE	10%	Yes
DUCT	ALL	TEXTILE, VIBRATION DAMPENER	No			2	EA	V9500	PRESUMED		Yes
PIPE	ALL	PARGING CEMENT INSULATION	Yes			15	EA	S0012A	CHRYSTILE	15%	Yes
PIPE	ALL	PARGING CEMENT INSULATION	Yes			15	EA	S0012B	CHRYSTILE	15%	Yes
PIPE	ALL	CANVAS	No			100	LF	S0013A	NON-ASBESTOS		No
PIPE	ALL	CANVAS	No			100	LF	S0013B	NON-ASBESTOS		No

Project #: 12952L
Location #: 20

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Exterior And Roof

Building Name: David Lloyd George Elementary
Floor:

Surveyor: Gordon Watkins
Room #:

Survey Date: 2016-05-02
Square ft:

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
WALL	ALL	MASONRY, BRICK MORTAR	No			15000	SF	S0014	NON-ASBESTOS		No
DUCT	ALL	MASTIC, SILVER	No			10	LF	S0015	CHRYSTILE	3%	Yes
OTHER	ALL	CAULKING, FLASHING CAULK	No			2000	LF	S0016	NON-ASBESTOS		No
OTHER	ALL	PAINTED, GREY PAINT	No			3000	SF	S0017	NON-ASBESTOS		No
OTHER	ALL	PAINTED, WHITE PAINT	No			3000	SF	S0018	NON-ASBESTOS		No
OTHER	ROOF	TAR, MAIN BUILDING SHINGLE ROOF	No			5000	SF	S0019	NON-ASBESTOS		No
OTHER	ROOF	TAR, MAIN BUILDING UPPER ROOF	No			650	SF	S0020	NON-ASBESTOS		No
OTHER	ROOF	TAR, MAIN BUILDING LOWER ROOF	No			200	SF	S0021	NON-ASBESTOS		No
OTHER	ROOF	TAR, GYM UPPER ROOF	No			5000	SF	S0022	NON-ASBESTOS		No
OTHER	ROOF	TAR, GYM LOWER ROOF	No			2500	SF	S0023	NON-ASBESTOS		No



ALL DATA REPORT

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Project #: 12952L
Location #: 21

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 119

Survey Date: 2016-05-02
Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			50	SF	V0002	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, RED 9X9" W/ WHITE FLECKS	No			200	SF	S0024A	CHRYSOTILE	5%	Yes
FLOOR	ALL	VINYL FLOOR TILES, RED 9X9" W/ WHITE FLECKS	No			200	SF	S0024B	CHRYSOTILE	5%	Yes
FLOOR	ALL	VINYL FLOOR TILES, RED 9X9" W/ WHITE FLECKS	No			200	SF	S0024C	CHRYSOTILE	5%	Yes
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

Project #: 12952L
Location #: 22

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Janitorial

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 127

Survey Date: 2016-05-02
Square ft: 200

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			300	SF	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	CANVAS	No			15	LF	V0013	NON-ASBESTOS		No
MECHANICAL	NOT FOUND		No			0			~		No



ALL DATA REPORT

Project #: 12952L
Location #: 23

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Office

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 128

Survey Date: 2016-05-02
Square ft: 200

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
FLOOR	ALL	VINYL SHEET FLOORING, NO BACKING	Yes			50	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			300	SF	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION	Yes			8	EA	V0012	CHRYSOTILE	15%	Yes
PIPE	ALL	CANVAS	No			15	LF	V0013	NON-ASBESTOS		No
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L
Location #: 24

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Boy's Washroom

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 129

Survey Date: 2016-05-02
Square ft: 250

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CERAMIC TILES	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			11	EA	V9000	CONFIRMED		Yes
MECHANICAL	NOT FOUND		No			0			~		No



ALL DATA REPORT

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Project #: 12952L
Location #: 25

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Boiler Room

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 130

Survey Date: 2016-05-02
Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
CEILING	ALL	CONCRETE (PRECAST)	No			0			~		No
WALL	ALL	TERRA COTTA	No			0			~		No
WALL	ALL	MASONRY	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	CONCRETE (PRECAST)	No			0			~		No
DUCT	ALL	NOT INSULATED	No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, BOILER LINES	Yes			10	EA	S0025A	NON-ASBESTOS		No
PIPE	ALL	PARGING CEMENT INSULATION, BOILER LINES	Yes			10	EA	S0025B	NON-ASBESTOS		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			5	EA	V9000	CONFIRMED		Yes
MECHANICAL	ALL	FIBREGLASS	No			0			~		No

Project #: 12952L
Location #: 26

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Girl's Washroom

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 131

Survey Date: 2016-05-02
Square ft: 250

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CERAMIC TILES	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			11	EA	V9000	CONFIRMED		Yes
MECHANICAL	NOT FOUND		No			0			~		No



ALL DATA REPORT

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Project #: 12952L
Location #: 27

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 118

Survey Date: 2016-05-02
Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL FLOOR TILES	No			650	SF	V0009	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	LAY-IN CEILING TILES, 2001	Yes			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	CONCRETE (PRECAST)	No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L
Location #: 28

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 117

Survey Date: 2016-05-02
Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING	Yes			650	SF	V0001	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			25	EA	V9000	CONFIRMED		Yes
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes



ALL DATA REPORT

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Project #: 12952L
Location #: 29

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Janitorial

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 126

Survey Date: 2016-05-02
Square ft: 100

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			300	SF	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			1	EA	V9000	CONFIRMED		Yes
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L
Location #: 30

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 120

Survey Date: 2016-05-02
Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL FLOOR TILES, GREY 12X12"	No			217	SF	S0026A	CHRYSOTILE	5%	Yes
FLOOR	ALL	VINYL FLOOR TILES, GREY 12X12"	No			217	SF	S0026B	CHRYSOTILE	5%	Yes
FLOOR	ALL	VINYL FLOOR TILES, GREY 12X12"	No			217	SF	S0026C	CHRYSOTILE	5%	Yes
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			25	EA	V9000	CONFIRMED		Yes
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes



ALL DATA REPORT

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
 Location #: 31 Location Name: Cafeteria Floor: B Room #: 124 Square ft: 1000

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL FLOOR TILES, MUSTARD YELLOW 9X9" PREVIOUSLY SAMPLED	No			1000	SF	V9000	CONFIRMED		Yes
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes	SURFACE		1000	SF	V0004	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			1000	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION	Yes			35	EA	V0012	CHRYSTOLE	15%	Yes
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
 Location #: 32 Location Name: Kitchen Floor: B Room #: 124A Square ft: 300

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL FLOOR TILES	No			300	SF	V0026	CHRYSTOLE	5%	Yes
CEILING	NOT FOUND		No			0			~		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	CONCRETE (PRECAST)	No			0			~		No
DUCT	ALL	NOT INSULATED	No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No



ALL DATA REPORT

Project #: 12952L
Location #: 33

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Corridor

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #:

Survey Date: 2016-05-02
Square ft: 2000

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			2000	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	MASONRY	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			40	EA	V9000	CONFIRMED		Yes
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L
Location #: 34

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 116

Survey Date: 2016-05-02
Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CARPET	No			0			~		No
FLOOR	ALL	VINYL SHEET FLOORING, BEIGE MOTTLED PATTERN	Yes			650	SF	S0027	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes			500	SF	V0004	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			12	EA	V9000	CONFIRMED		Yes
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes



ALL DATA REPORT

Project #: 12952L
Location #: 35

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 115

Survey Date: 2016-05-02
Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CARPET	No			0			~		No
FLOOR	ALL	VINYL SHEET FLOORING, BEIGE MOTTLED PATTERN	Yes			550	SF	V0027	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, MUSTARD YELLOW 9X9", PREVIOUSLY SAMPLED	No			100	SF	V9000	CONFIRMED		Yes
FLOOR	ALL	CERAMIC TILES	No			0			~		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes			500	SF	V0004	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			2	EA	V9000	CONFIRMED		Yes
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

Project #: 12952L
Location #: 36

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Janitorial

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 121A

Survey Date: 2016-05-02
Square ft: 60

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL FLOOR TILES, RED 12X12"	No			20	SF	S0028A	CHRYSOTILE	5%	Yes
FLOOR	ALL	VINYL FLOOR TILES, RED 12X12"	No			20	SF	S0028B	CHRYSOTILE	5%	Yes
FLOOR	ALL	VINYL FLOOR TILES, RED 12X12"	No			20	SF	S0028C	CHRYSOTILE	5%	Yes
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			60	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			300	SF	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NO ACCESS THROUGH CEILING		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NO ACCESS THROUGH CEILING		No			0			~		No
OTHER	ALL	VINYL SHEET FLOORING	Yes			15	LF	V0006	NON-ASBESTOS		No



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Project #: 12952L
Location #: 37

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Girl's Changeroom

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 113

Survey Date: 2016-05-02
Square ft: 500

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CERAMIC TILES	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	FIBREGLASS	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L
Location #: 38

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Gym Storage

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 112

Survey Date: 2016-05-02
Square ft: 200

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	WOOD	No			0			~		No
STRUCTURE	ALL	CONCRETE (PRECAST)	No			0			~		No
DUCT	NO ACCESS THROUGH CEILING		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION	Yes			4	EA	V0012	CHRYBOTILE	15%	Yes
MECHANICAL	NOT FOUND		No			0			~		No



ALL DATA REPORT

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
 Location #: 39 Location Name: Gym Entry And Washrooms Floor: B Room #: Square ft: 250

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			250	SF	V0000	NON-ASBESTOS		No
WALL	ALL	WOOD	No			0			~		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			500	SF	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	CONCRETE (PRECAST)	No			0			~		No
DUCT	NO ACCESS THROUGH CEILING		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION	Yes			8	EA	V0012	CHRYSOTILE	15%	Yes
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
 Location #: 40 Location Name: Gym Storage Floor: B Room #: 105 Square ft: 200

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	WOOD	No			0			~		No
STRUCTURE	ALL	CONCRETE (PRECAST)	No			0			~		No
DUCT	NO ACCESS THROUGH CEILING		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION	Yes			4	EA	V0012	CHRYSOTILE	15%	Yes
MECHANICAL	NOT FOUND		No			0			~		No



ALL DATA REPORT

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
 Location #: 41 Location Name: Boy's Changeroom Floor: B Room #: 104 Square ft: 500

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CERAMIC TILES	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	FIBREGLASS	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
 Location #: 42 Location Name: Boy's Washroom Floor: B Room #: 103 Square ft: 200

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CERAMIC TILES	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			11	EA	V9000	CONFIRMED		Yes
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
 Location #: 43 Location Name: Girl's Washroom Floor: B Room #: 102 Square ft: 200

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CERAMIC TILES	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			11	EA	V9000	CONFIRMED		Yes



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MECHANICAL	NOT FOUND		No			0			>		No
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Project #: 12952L
Location #: 44

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Storage Beneath Stage

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 001

Survey Date: 2016-05-02
Square ft: 400

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
CEILING	NOT FOUND		No			0			~		No
WALL	ALL	CONCRETE (PRECAST)	No			0			~		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	ALL	MASTIC, RED	No			100	LF	S0029	CHRYSTILE	3%	Yes
DUCT	ALL	TEXTILE, VIBRATION DAMPENER	No			2	EA	V9500	PRESUMED		Yes
PIPE	ALL	PARGING CEMENT INSULATION	Yes			6	EA	V0012	CHRYSTILE	15%	Yes
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			8	EA	V9000	CONFIRMED		Yes
MECHANICAL	ALL	NOT INSULATED	No			0			~		No

Project #: 12952L
Location #: 45

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Gym

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #:

Survey Date: 2016-05-02
Square ft: 5000

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	WOOD	No			0			~		No
CEILING	ACOUSTIC TILE	LAY-IN CEILING TILES, INTERLOCKING FIBREBOARD	Yes			4000	SF	V0000	NON-ASBESTOS		No
WALL	ALL	CONCRETE (PRECAST)	No			0			~		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			100	SF	V9500	PRESUMED		Yes
OTHER	ALL	TEXTILE, CEMENT PLUGS FOR SCREWS	No			100	%	S0037	NON-ASBESTOS		No



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Project #: 12952L
Location #: 46

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Corridor

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #:

Survey Date: 2016-05-02
Square ft: 2000

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
FLOOR	ALL	VINYL FLOOR TILES, MUSTARD YELLOW 9X9", PREVIOUSLY SAMPLED	No			1500	SF	V9000	CONFIRMED		Yes
FLOOR	ALL	VINYL FLOOR TILES	No			200	SF	V0028	CHRYSOTILE	5%	Yes
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes	SURFACE		1800	SF	V0004	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No	BASE		2000	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	MASONRY	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			40	EA	V9500	PRESUMED		Yes
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L
Location #: 48

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 214

Survey Date: 2016-05-02
Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING	Yes			600	SF	V0005	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, TAN 12X12" W/ BLACK STREAKS	No			17	SF	S0030A	CHRYSOTILE	3%	Yes
FLOOR	ALL	VINYL FLOOR TILES, TAN 12X12" W/ BLACK STREAKS	No			17	SF	S0030B	CHRYSOTILE	3%	Yes
FLOOR	ALL	VINYL FLOOR TILES, TAN 12X12" W/ BLACK STREAKS	No			17	SF	S0030C	CHRYSOTILE	3%	Yes
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes			400	SF	V0004	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes



ALL DATA REPORT

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Project #: 12952L
Location #: 49

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 213

Survey Date: 2016-05-02
Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING	Yes			650	SF	V0005	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes			400	SF	V0004	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

Project #: 12952L
Location #: 50

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Janitorial

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 210

Survey Date: 2016-05-02
Square ft: 60

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL FLOOR TILES, MUSTARD YELLOW 9X9", PREVIOUSLY SAMPLED	No			60	SF	V9000	CONFIRMED		Yes
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			60	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			300	SF	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NO ACCESS THROUGH CEILING		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NO ACCESS THROUGH CEILING		No			0			~		No
OTHER	ALL	VINYL SHEET FLOORING	Yes			15	LF	V0006	NON-ASBESTOS		No



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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 51 Location Name: Storage Floor: 1 Room #: Square ft: 200

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING	Yes			200	SF	V0005	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	WOOD	No			0			~		No
STRUCTURE	ALL	CONCRETE (PRECAST)	No			0			~		No
DUCT	NO ACCESS THROUGH CEILING		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	VINYL SHEET FLOORING	Yes			30	LF	V0004	NON-ASBESTOS		No

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 52 Location Name: Corridor Floor: 1 Room #: Square ft: 800

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
FLOOR	ALL	VINYL FLOOR TILES, MUSTARD YELLOW 9X9", PREVIOUSLY SAMPLED	No			650	SF	V9000	CONFIRMED		Yes
FLOOR	ALL	VINYL FLOOR TILES, MUSTARD YELLOW 12X12"	No			50	SF	S0031A	CHRYSOTILE	5%	Yes
FLOOR	ALL	VINYL FLOOR TILES, MUSTARD YELLOW 12X12"	No			50	SF	S0031B	CHRYSOTILE	5%	Yes
FLOOR	ALL	VINYL FLOOR TILES, MUSTARD YELLOW 12X12"	No			50	SF	S0031C	CHRYSOTILE	5%	Yes
FLOOR	ALL	VINYL FLOOR TILES	No			10	SF	V0002	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes	SURFACE		800	SF	V0004	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No	BASE		2000	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	MASONRY	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No



ALL DATA REPORT

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Project #: 12952L
Location #: 53

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 204

Survey Date: 2016-05-02
Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			600	SF	V0001	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			50	SF	V0002	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION	Yes			9	EA	V0012	CHRYSTOLE	15%	Yes
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

Project #: 12952L
Location #: 54

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 203

Survey Date: 2016-05-02
Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			600	SF	V0001	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			50	SF	V0002	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION	Yes			9	EA	V0012	CHRYSTOLE	15%	Yes
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes



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Project #: 12952L
Location #: 55

Site: 8370 Cartier Street, Vancouver, BC
Location Name: General Office

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 202

Survey Date: 2016-05-02
Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, PEEL AND STICK	Yes			650	SF	V0000	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	FIBREGLASS	No			100	%	V0000	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	DRYWALL NO COMPOUND	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	VINYL SHEET FLOORING	Yes			100	LF	V0004	NON-ASBESTOS		No

Project #: 12952L
Location #: 56

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 201

Survey Date: 2016-05-02
Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			600	SF	V0001	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			50	SF	V0002	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION	Yes			9	EA	V0012	CHRYBOTILE	15%	Yes
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes



ALL DATA REPORT

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Project #: 12952L
Location #: 57

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 206

Survey Date: 2016-05-02
Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			600	SF	V0001	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			50	SF	V0002	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION	Yes			9	EA	V0012	CHRYSHOTILE	15%	Yes
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes
OTHER	ALL	MASTIC, BLACK MASTIC ON CONCEALED TERRA COTTA	No			100	%	S0036A	NON-ASBESTOS		No

Project #: 12952L
Location #: 58

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Janitorial

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 200A

Survey Date: 2016-05-02
Square ft: 60

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL FLOOR TILES	No			30	SF	V0002	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES	No			30	SF	V0009	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			60	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			300	SF	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NO ACCESS THROUGH CEILING		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NO ACCESS THROUGH CEILING		No			0			~		No
OTHER	ALL	VINYL SHEET FLOORING	Yes			15	LF	V0006	NON-ASBESTOS		No



ALL DATA REPORT

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Project #: 12952L
Location #: 59

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Nurse Office

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 209

Survey Date: 2016-05-02
Square ft: 200

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, BROWN	Yes			20	SF	V0003	NON-ASBESTOS		No
FLOOR	ALL	VINYL SHEET FLOORING	Yes			100	SF	V0005	NON-ASBESTOS		No
FLOOR	ALL	VINYL SHEET FLOORING, BEIGE MOSAIC	Yes			100	SF	S0032	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	FIBREGLASS	No			100	%	V0000	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L
Location #: 60

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Office

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 207

Survey Date: 2016-05-02
Square ft: 200

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, BROWN	Yes			20	SF	V0003	NON-ASBESTOS		No
FLOOR	ALL	VINYL SHEET FLOORING	Yes			100	SF	V0005	NON-ASBESTOS		No
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
CEILING	ACOUSTIC TILE	LAY-IN CEILING TILES, 2001	Yes			100	%	V0000	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L
Location #: 61

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 205

Survey Date: 2016-05-02
Square ft: 650

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			600	SF	V0001	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			50	SF	V0002	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION	Yes			9	EA	V0012	CHRYSHOTILE	15%	Yes
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

Project #: 12952L
Location #: 62

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Corridor

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #:

Survey Date: 2016-05-02
Square ft: 1500

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING	Yes			1400	SF	V0007	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES	No			100	SF	V0002	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes	SURFACE		1500	SF	V0004	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No	BASE		1500	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	MASONRY	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L
Location #: 63

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Library

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 208

Survey Date: 2016-05-02
Square ft: 1000

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CARPET	No	SURFACE		0			~		No
FLOOR	ALL	VINYL SHEET FLOORING, BASE LAYER	Yes			1000	SF	S0035	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	FIBREGLASS	No			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	ALL	MASTIC	No			40	LF	V0011	CHRYSTOLE	10%	Yes
PIPE	ALL	CANVAS, LIBRARY PIPE STRAIGHTS	No			50	LF	S0033A	NON-ASBESTOS		No
PIPE	ALL	CANVAS, LIBRARY PIPE STRAIGHTS	No			50	LF	S0033B	NON-ASBESTOS		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	MASTIC, MASTIC PUCKS ON STRUCTURE	No			300	SF	S0034	NON-ASBESTOS		No



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 1 Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: 2

Surveyor: Gordon Watkins
Room #: 307

Survey Date: 2016-05-02
Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	L0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	L0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	L0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	L0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	L0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	L0005	Red Wood Door		1.1%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 2 Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: 2

Surveyor: Gordon Watkins
Room #: 308

Survey Date: 2016-05-02
Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 3 Location Name: Office

Building Name: David Lloyd George Elementary
Floor: 2

Surveyor: Gordon Watkins
Room #: 315

Survey Date: 2016-05-02
Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	200		SF	V0002			0.029%	Yes
WALL	PLASTER	600		SF	V0001			0.46%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes
OTHER	WOOD	30		SF	V0005			1.1%	Yes
OTHER	METAL	10		LF	V0006			0.050%	Yes
OTHER	WOOD	100		SF	V0003			0.17%	Yes



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 4 Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: 2

Surveyor: Gordon Watkins
Room #: 309

Survey Date: 2016-05-02
Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 5 Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: 2

Surveyor: Gordon Watkins
Room #: 310

Survey Date: 2016-05-02
Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 6 Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: 2

Surveyor: Gordon Watkins
Room #: 311

Survey Date: 2016-05-02
Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes



ALL DATA REPORT

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 7 Location Name: Office

Building Name: David Lloyd George Elementary
Floor: 2

Surveyor: Gordon Watkins
Room #: 313

Survey Date: 2016-05-02
Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	200		SF	V0002			0.029%	Yes
WALL	PLASTER	600		SF	V0001			0.46%	Yes
OTHER	WOOD	100		SF	V0003			0.17%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes
OTHER	WOOD	30		SF	V0005			1.1%	Yes
OTHER	METAL	10		LF	V0006			0.050%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 8 Location Name: Staff Room

Building Name: David Lloyd George Elementary
Floor: 2

Surveyor: Gordon Watkins
Room #: 314

Survey Date: 2016-05-02
Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 9 Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: 2

Surveyor: Gordon Watkins
Room #: 302

Survey Date: 2016-05-02
Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes



ALL DATA REPORT

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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 10 Location Name: Office Floor: 2 Room #: 303 Square ft: 200

LEAD PAINT										
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead	
CEILING	PLASTER	200		SF	V0002			0.029%	Yes	
WALL	PLASTER	600		SF	V0001			0.46%	Yes	
OTHER	WOOD	100		SF	V0003			0.17%	Yes	
OTHER	WOOD	100		SF	V0004			0.34%	Yes	
OTHER	WOOD	30		SF	V0005			1.1%	Yes	
OTHER	METAL	10		LF	V0006			0.050%	Yes	

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 11 Location Name: Office And Vestibule Floor: 2 Room #: 304/305 Square ft: 200

LEAD PAINT										
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead	
CEILING	PLASTER	200		SF	V0002			0.029%	Yes	
WALL	PLASTER	600		SF	V0001			0.46%	Yes	
OTHER	WOOD	100		SF	V0003			0.17%	Yes	
OTHER	WOOD	100		SF	V0004			0.34%	Yes	
OTHER	WOOD	30		SF	V0005			1.1%	Yes	
OTHER	METAL	10		LF	V0006			0.050%	Yes	

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 12 Location Name: Staff Washroom Floor: 2 Room #: 306 Square ft: 200

LEAD PAINT										
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead	
WALL	PLASTER	600		SF	V0002			0.029%	Yes	
OTHER	WOOD	100		SF	V0004			0.34%	Yes	

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 13 Location Name: Janitorial Floor: 2 Room #: 301B Square ft: 100

LEAD PAINT										
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead	
WALL	PLASTER	200		SF	V0001			0.46%	Yes	
WALL	PLASTER	100		SF	L0007	Teal Plaster		0.79%	Yes	



ALL DATA REPORT

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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 14 Location Name: Classroom Floor: 2 Room #: 312 Square ft: 650

LEAD PAINT										
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead	
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes	
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes	
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes	
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes	
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes	
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes	

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 15 Location Name: Janitorial Floor: 2 Room #: 301A Square ft: 100

LEAD PAINT										
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead	
WALL	PLASTER	300		SF	V0001			0.46%	Yes	

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 16 Location Name: Corridor Floor: 2 Room #: Square ft: 1500

LEAD PAINT										
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead	
WALL	PLASTER	3000		SF	V0002			0.029%	Yes	
PIPE	METAL	100		LF	V0006			0.050%	Yes	
OTHER	WOOD	200		SF	V0004			0.34%	Yes	
OTHER	WOOD	500		SF	V0003			0.17%	Yes	
OTHER	WOOD	300		SF	V0005			1.1%	Yes	

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 19 Location Name: Attic Floor: 3 Room #: Square ft: 5000

LEAD PAINT										
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead	
STRUCTURE	WOOD	1000		SF	L0008	White		0.012%	Yes	



ALL DATA REPORT

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 20 Location Name: Exterior And Roof Floor: Room #: Square ft:

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	MASONRY	15000		SF	L0009	Brick Mortar		<0.005%	No
WALL	CONCRETE (PRECAST)	3000		SF	L0011	White Concrete		0.67%	Yes
WALL	CONCRETE (PRECAST)	3000		SF	L0012	Grey Concrete		0.11%	Yes
OTHER	METAL	1000		SF	L0010	Red Flashing		0.013%	Yes
OTHER	METAL	1000		SF	L0013	Black Rails		0.53%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 21 Location Name: Classroom Floor: B Room #: 119 Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	1800		SF	V0002	White Plaster		0.029%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 22 Location Name: Janitorial Floor: B Room #: 127 Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
FLOOR	CONCRETE (PRECAST)	200		SF	L0015	Grey Concrete		<0.008%	No
WALL	PLASTER	300		SF	L0014	Blue Plaster		0.037%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 23 Location Name: Office Floor: B Room #: 128 Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
FLOOR	CONCRETE (PRECAST)	200		SF	V0015	Grey Concrete		<0.008%	No
WALL	PLASTER	300		SF	V0001			0.46%	Yes



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 24 Location Name: Boy's Washroom Floor: B Room #: 129 Square ft: 250

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	600		SF	V0002			0.029%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 25 Location Name: Boiler Room Floor: B Room #: 130 Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
FLOOR	CONCRETE (PRECAST)	650		SF	V0015			<0.008%	No
WALL	CONCRETE (PRECAST)	800		SF	L0016	Mint Green Concrete		0.44%	Yes
WALL	CONCRETE (PRECAST)	600		SF	L0017	Teal Concrete		0.28%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 26 Location Name: Girl's Washroom Floor: B Room #: 131 Square ft: 250

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	600		SF	V0002			0.029%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 27 Location Name: Classroom Floor: B Room #: 118 Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	1000		SF	V0002			0.029%	Yes



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L
Location #: 28

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 117

Survey Date: 2016-05-02
Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	1800		SF	V0002	White Plaster		0.029%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L
Location #: 29

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Janitorial

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 126

Survey Date: 2016-05-02
Square ft: 100

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
FLOOR	CONCRETE (PRECAST)	100		SF	V0015			<0.008%	No
WALL	PLASTER	300		SF	V0001			0.46%	Yes

Project #: 12952L
Location #: 30

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 120

Survey Date: 2016-05-02
Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	1800		SF	V0002	White Plaster		0.029%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 31 Location Name: Cafeteria

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 124

Survey Date: 2016-05-02
Square ft: 1000

LEAD PAINT										
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead	
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes	
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes	
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes	
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes	
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes	
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes	

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 32 Location Name: Kitchen

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 124A

Survey Date: 2016-05-02
Square ft: 300

LEAD PAINT										
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead	
WALL	PLASTER	600		SF	V0007			0.79%	Yes	

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 33 Location Name: Corridor

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #:

Survey Date: 2016-05-02
Square ft: 2000

LEAD PAINT										
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead	
WALL	PLASTER	3000		SF	V0002			0.029%	Yes	
PIPE	METAL	100		LF	V0006			0.050%	Yes	
OTHER	WOOD	200		SF	V0004			0.34%	Yes	
OTHER	WOOD	500		SF	V0003			0.17%	Yes	
OTHER	WOOD	300		SF	V0005			1.1%	Yes	



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 34 Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 116

Survey Date: 2016-05-02
Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	1800		SF	V0002	White Plaster		0.029%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 35 Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 115

Survey Date: 2016-05-02
Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	1800		SF	V0002	White Plaster		0.029%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 36 Location Name: Janitorial

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 121A

Survey Date: 2016-05-02
Square ft: 60

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	200		SF	V0001			0.46%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 37 Location Name: Girl's Changeroom

Building Name: David Lloyd George Elementary
Floor: B

Surveyor: Gordon Watkins
Room #: 113

Survey Date: 2016-05-02
Square ft: 500

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	600		SF	V0002			0.029%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes
OTHER	WOOD	150		SF	V0005			1.1%	Yes



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 38 Location Name: Gym Storage Floor: B Room #: 112 Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	200		SF	V0002			0.029%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 39 Location Name: Gym Entry And Washrooms Floor: B Room #: Square ft: 250

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	200		SF	V0002			0.029%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 40 Location Name: Gym Storage Floor: B Room #: 105 Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	200		SF	V0002			0.029%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 41 Location Name: Boy's Changeroom Floor: B Room #: 104 Square ft: 500

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	600		SF	V0002			0.029%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes
OTHER	WOOD	150		SF	V0005			1.1%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 42 Location Name: Boy's Washroom Floor: B Room #: 103 Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	600		SF	V0002			0.029%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 43 Location Name: Girl's Washroom Floor: B Room #: 102 Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	600		SF	V0002			0.029%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 44 Location Name: Storage Beneath Stage Floor: B Room #: 001 Square ft: 400

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	CONCRETE (PRECAST)	800		LF	V0001			0.46%	Yes
STRUCTURE	WOOD	400		SF	V0008	White Wood		0.012%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 45 Location Name: Gym Floor: B Room #: Square ft: 5000

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	CONCRETE (PRECAST)	4000		SF	L0018	White Concrete		0.13%	Yes
STRUCTURE	WOOD	1000		SF	V0008			0.012%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 46 Location Name: Corridor Floor: B Room #: Square ft: 2000

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	3000		SF	V0002			0.029%	Yes
PIPE	METAL	100		LF	V0006			0.050%	Yes
OTHER	WOOD	200		SF	V0004			0.34%	Yes
OTHER	WOOD	500		SF	V0003			0.17%	Yes
OTHER	WOOD	300		SF	V0005			1.1%	Yes



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 48 Location Name: Classroom Floor: 1 Room #: 214 Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	1800		SF	V0002	White Plaster		0.029%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 49 Location Name: Classroom Floor: 1 Room #: 213 Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	1800		SF	V0002	White Plaster		0.029%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 50 Location Name: Janitorial Floor: 1 Room #: 210 Square ft: 60

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	200		SF	V0001			0.46%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 51 Location Name: Storage Floor: 1 Room #: Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	200		SF	V0002			0.029%	Yes



ALL DATA REPORT

1-877-322-4744
www.pinchinwest.com

Project #: 12952L
Location #: 52

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Corridor

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #:

Survey Date: 2016-05-02
Square ft: 800

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	3000		SF	V0002			0.029%	Yes
PIPE	METAL	100		LF	V0006			0.050%	Yes
OTHER	WOOD	200		SF	V0004			0.34%	Yes
OTHER	WOOD	500		SF	V0003			0.17%	Yes
OTHER	WOOD	300		SF	V0005			1.1%	Yes

Project #: 12952L
Location #: 53

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 204

Survey Date: 2016-05-02
Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L
Location #: 54

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 203

Survey Date: 2016-05-02
Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes



ALL DATA REPORT

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 55 Location Name: General Office

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 202

Survey Date: 2016-05-02
Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 56 Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 201

Survey Date: 2016-05-02
Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 57 Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 206

Survey Date: 2016-05-02
Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 58 Location Name: Janitorial

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 200A

Survey Date: 2016-05-02
Square ft: 60

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	200		SF	V0001			0.46%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 59 Location Name: Nurse Office

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 209

Survey Date: 2016-05-02
Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	200		SF	V0002			0.029%	Yes
WALL	PLASTER	600		SF	V0001			0.46%	Yes
OTHER	WOOD	100		SF	V0003			0.17%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes
OTHER	WOOD	30		SF	V0005			1.1%	Yes
OTHER	METAL	10		LF	V0006			0.050%	Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 60 Location Name: Office

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 207

Survey Date: 2016-05-02
Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	200		SF	V0002			0.029%	Yes
WALL	PLASTER	600		SF	V0001			0.46%	Yes
OTHER	WOOD	100		SF	V0003			0.17%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes
OTHER	WOOD	30		SF	V0005			1.1%	Yes
OTHER	METAL	10		LF	V0006			0.050%	Yes



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 61 Location Name: Classroom

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 205

Survey Date: 2016-05-02
Square ft: 650

LEAD PAINT										
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead	
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes	
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes	
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes	
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes	
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes	
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes	

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 62 Location Name: Corridor

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #:

Survey Date: 2016-05-02
Square ft: 1500

LEAD PAINT										
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead	
WALL	PLASTER	3000		SF	V0002			0.029%	Yes	
PIPE	METAL	100		LF	V0006			0.050%	Yes	
OTHER	WOOD	200		SF	V0004			0.34%	Yes	
OTHER	WOOD	500		SF	V0003			0.17%	Yes	
OTHER	WOOD	300		SF	V0005			1.1%	Yes	

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC
Location #: 63 Location Name: Library

Building Name: David Lloyd George Elementary
Floor: 1

Surveyor: Gordon Watkins
Room #: 208

Survey Date: 2016-05-02
Square ft: 1000

LEAD PAINT										
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead	
WALL	PLASTER	2500		SF	V0002			0.029%	Yes	



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L
Location #: 20

Site: 8370 Cartier Street, Vancouver, BC
Location Name: Exterior And Roof

Building Name: David Lloyd George Elementary
Floor:

Surveyor: Gordon Watkins
Room #:

Survey Date: 2016-05-02
Square ft:

Pb Products		
Component	Quantity	Unit
LEAD PIPES	30	EA



ALL DATA REPORT

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 1 Location Name: Classroom Floor: 2 Room #: 307 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	22	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 2 Location Name: Classroom Floor: 2 Room #: 308 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	22	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 3 Location Name: Office Floor: 2 Room #: 315 Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	8	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 4 Location Name: Classroom Floor: 2 Room #: 309 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	22	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 5 Location Name: Classroom Floor: 2 Room #: 310 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	22	EA

1 - T12



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 6 Location Name: Classroom Floor: 2 Room #: 311 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	22	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 7 Location Name: Office Floor: 2 Room #: 313 Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	8	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 8 Location Name: Staff Room Floor: 2 Room #: 314 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	16	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 9 Location Name: Classroom Floor: 2 Room #: 302 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	36	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 10 Location Name: Office Floor: 2 Room #: 303 Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	8	EA

1 - T12



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 11 Location Name: Office And Vestibule Floor: 2 Room #: 304/305 Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	8	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 12 Location Name: Staff Washroom Floor: 2 Room #: 306 Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	2	EA

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 14 Location Name: Classroom Floor: 2 Room #: 312 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	22	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 16 Location Name: Corridor Floor: 2 Room #: Square ft: 1500

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	12	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 17 Location Name: Stairwell North Floor: Room #: 399 Square ft: 500

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	6	EA

1 - T12



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 18 Location Name: Stairwell South Floor: Mercury Room #: 398 Square ft: 500

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	6	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 21 Location Name: Classroom Floor: B Mercury Room #: 119 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	22	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 22 Location Name: Janitorial Floor: B Mercury Room #: 127 Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	4	EA

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 23 Location Name: Office Floor: B Mercury Room #: 128 Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	4	EA

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 24 Location Name: Boy's Washroom Floor: B Mercury Room #: 129 Square ft: 250

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	2	EA



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 25 Location Name: Boiler Room Floor: B Room #: 130 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	10	EA

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 26 Location Name: Girl's Washroom Floor: B Room #: 131 Square ft: 250

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	2	EA

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 27 Location Name: Classroom Floor: B Room #: 118 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	12	EA

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 28 Location Name: Classroom Floor: B Room #: 117 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	36	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 30 Location Name: Classroom Floor: B Room #: 120 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	36	EA

1 - T12



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 31 Location Name: Cafeteria Floor: B Room #: 124 Square ft: 1000

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	80	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 32 Location Name: Kitchen Floor: B Room #: 124A Square ft: 300

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	8	EA

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 33 Location Name: Corridor Floor: B Room #: Square ft: 2000

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	24	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 34 Location Name: Classroom Floor: B Room #: 116 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	36	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 35 Location Name: Classroom Floor: B Room #: 115 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	36	EA

1 - T12



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 37 Location Name: Girl's Changeroom Floor: B Room #: 113 Square ft: 500

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	10	EA

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 38 Location Name: Gym Storage Floor: B Room #: 112 Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	4	EA

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 39 Location Name: Gym Entry And Washrooms Floor: B Room #: Square ft: 250

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	8	EA

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 40 Location Name: Gym Storage Floor: B Room #: 105 Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	4	EA

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 41 Location Name: Boy's Changeroom Floor: B Room #: 104 Square ft: 500

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	10	EA

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 42 Location Name: Boy's Washroom Floor: B Room #: 103 Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	2	EA



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 43 Location Name: Girl's Washroom Floor: B Room #: 102 Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	2	EA

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 45 Location Name: Gym Floor: B Room #: Square ft: 5000

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	16	EA

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 46 Location Name: Corridor Floor: B Room #: Square ft: 2000

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	24	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 48 Location Name: Classroom Floor: 1 Room #: 214 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	36	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 49 Location Name: Classroom Floor: 1 Room #: 213 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	36	EA

1 - T12



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 52 Location Name: Corridor Floor: 1 Room #: Square ft: 800

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	24	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 53 Location Name: Classroom Floor: 1 Room #: 204 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	22	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 54 Location Name: Classroom Floor: 1 Room #: 203 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	22	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 55 Location Name: General Office Floor: 1 Room #: 202 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	80	EA

1 - T12



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 56 Location Name: Classroom Floor: 1 Room #: 201 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	22	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 57 Location Name: Classroom Floor: 1 Room #: 206 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	22	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 59 Location Name: Nurse Office Floor: 1 Room #: 209 Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	8	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 60 Location Name: Office Floor: 1 Room #: 207 Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	8	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 61 Location Name: Classroom Floor: 1 Room #: 205 Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	22	EA

1 - T12



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 62 Location Name: Corridor Floor: 1 Room #: Square ft: 1500

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE ¹	12	EA

1 - T12

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 63 Location Name: Library Floor: 1 Room #: 208 Square ft: 1000

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	160	EA



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 1 Location Name: Classroom Floor: 2 Room #: 307 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 2 Location Name: Classroom Floor: 2 Room #: 308 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 3 Location Name: Office Floor: 2 Room #: 315 Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	4	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 4 Location Name: Classroom Floor: 2 Room #: 309 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 5 Location Name: Classroom Floor: 2 Room #: 310 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 6 Location Name: Classroom Floor: 2 Room #: 311 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 7 Location Name: Office Floor: 2 Room #: 313 Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	4	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 8 Location Name: Staff Room Floor: 2 Room #: 314 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	8	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 9 Location Name: Classroom Floor: 2 Room #: 302 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	18	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 10 Location Name: Office Floor: 2 Room #: 303 Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	4	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 11 Location Name: Office And Vestibule Floor: 2 Room #: 304/305 Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	4	EA				Yes



ALL DATA REPORT

1-877-322-4744
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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 12 Location Name: Staff Washroom Floor: 2 Room #: 306 Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	1	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 14 Location Name: Classroom Floor: 2 Room #: 312 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 16 Location Name: Corridor Floor: 2 Room #: Square ft: 1500

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	6	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 17 Location Name: Stairwell North Floor: Room #: 399 Square ft: 500

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	3	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 18 Location Name: Stairwell South Floor: Room #: 398 Square ft: 500

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	3	EA				Yes



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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 20 Location Name: Exterior And Roof Floor: Room #: Square ft:

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
CAULKING	2000	LF	P0001	Flashing Caulk	<0.5mg/kg	No

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 21 Location Name: Classroom Floor: B Room #: 119 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 22 Location Name: Janitorial Floor: B Room #: 127 Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	2	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 23 Location Name: Office Floor: B Room #: 128 Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	2	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 24 Location Name: Boy's Washroom Floor: B Room #: 129 Square ft: 250

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	1	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 25 Location Name: Boiler Room Floor: B Room #: 130 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	4	EA				Yes



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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 26 Location Name: Girl's Washroom Floor: B Room #: 131 Square ft: 250

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	1	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 28 Location Name: Classroom Floor: B Room #: 117 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	18	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 30 Location Name: Classroom Floor: B Room #: 120 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	18	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 31 Location Name: Cafeteria Floor: B Room #: 124 Square ft: 1000

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	40	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 32 Location Name: Kitchen Floor: B Room #: 124A Square ft: 300

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	4	EA				Yes



ALL DATA REPORT

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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 33 Location Name: Corridor Floor: B Room #: Square ft: 2000

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	12	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 34 Location Name: Classroom Floor: B Room #: 116 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	18	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 35 Location Name: Classroom Floor: B Room #: 115 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	18	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 37 Location Name: Girl's Changeroom Floor: B Room #: 113 Square ft: 500

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	5	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 38 Location Name: Gym Storage Floor: B Room #: 112 Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	2	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 39 Location Name: Gym Entry And Washrooms Floor: B Room #: Square ft: 250

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	4	EA				Yes



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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 40 Location Name: Gym Storage Floor: B Room #: 105 Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	2	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 41 Location Name: Boy's Changeroom Floor: B Room #: 104 Square ft: 500

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	5	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 42 Location Name: Boy's Washroom Floor: B Room #: 103 Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	1	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 43 Location Name: Girl's Washroom Floor: B Room #: 102 Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	1	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 45 Location Name: Gym Floor: B Room #: Square ft: 5000

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	8	EA				Yes



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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 46 Location Name: Corridor Floor: B Room #: Square ft: 2000

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	12	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 48 Location Name: Classroom Floor: 1 Room #: 214 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	18	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 49 Location Name: Classroom Floor: 1 Room #: 213 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	18	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 52 Location Name: Corridor Floor: 1 Room #: Square ft: 800

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	12	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 53 Location Name: Classroom Floor: 1 Room #: 204 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 54 Location Name: Classroom Floor: 1 Room #: 203 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes



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Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 55 Location Name: General Office Floor: 1 Room #: 202 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	20	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 56 Location Name: Classroom Floor: 1 Room #: 201 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 57 Location Name: Classroom Floor: 1 Room #: 206 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 59 Location Name: Nurse Office Floor: 1 Room #: 209 Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	4	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 60 Location Name: Office Floor: 1 Room #: 207 Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	4	EA				Yes



ALL DATA REPORT

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 61 Location Name: Classroom Floor: 1 Room #: 205 Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 62 Location Name: Corridor Floor: 1 Room #: Square ft: 1500

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	6	EA				Yes

Project #: 12952L Site: 8370 Cartier Street, Vancouver, BC Building Name: David Lloyd George Elementary Surveyor: Gordon Watkins Survey Date: 2016-05-02
Location #: 63 Location Name: Library Floor: 1 Room #: 208 Square ft: 1000

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	50	EA				Yes



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Legend:

Sample number		Units		Other	
S####	Sample collected.	SF	Square feet	SVM	Suspect Visible Mould
V####	Material is visually identified to be identical to S####	LF	Linear feet		
V0000	Known non asbestos material.	EA	Each		
V9000	Material is visually identified to contain asbestos.	%	Percentage		
V9500	Material is presumed to contain asbestos.				

APPENDIX VII
Photographs



Asbestos-containing vinyl floor tiles.



Asbestos-containing vinyl floor tiles.



Asbestos-containing vinyl floor tiles with asbestos-containing mastic.



Vinyl floor tiles previously determined to be asbestos-containing.



Asbestos-containing red duct mastic.

12952Lr01_Photolog

Template: Master Photo Appendix, HazMat, February 10, 2016

APPENDIX K

Title: Soil Characterization
David Lloyd George Elementary School
Prepared by: **Alliance EHS Consulting Inc.**
Dated: June 10, 2020



Vancouver School Board
1580 West Broadway
Vancouver, BC
V6J 5K8

June 10, 2020

Attention: Kent Grier

Regarding: Soil Characterization – David Lloyd George Elementary School

Dear Mr. Grier,

Alliance EHS Consulting (Alliance) conducted a Soil Sampling Investigation for the project taking place at David Lloyd George Elementary School located at 8370 Cartier Street in Vancouver, BC.

The project is to include facility upgrade or replacement. Soil sampling was conducted as a preliminary investigation to screen for potential contaminants within the onsite soil required for disposal and to determine the appropriate receiving site for soil relocation. The soil sampling was limited to the northeast grass field, as directed by the client.

The onsite soil beneath the grass field was generally comprised of three horizons – a compact, brown fill layer comprised of sand and gravel mixtures, a hard, brown glacial till soil layer over a dense, grey glacial till.

Sets of soil samples were collected from six (6) test pit locations on May 15, 2020. In each test pit location, soil samples were collected at two separate depths from visibly different soil horizons. The dense glacial till layer was sampled, as the excavation work is expected to terminate at this layer.

The samples were analyzed for light and heavy extractable petroleum hydrocarbons (LEPH/HEPH) corrected for polycyclic aromatic hydrocarbons (PAHs), Benzene, Toluene, Ethylbenzene, Xylenes (BTEX), Volatile Petroleum Hydrocarbons (VPH), Metals and Sodium and Chloride Ions. The soil samples were analyzed to classify the soil materials prior to shipment off site.

Samples to be submitted for analyses of volatile parameters were collected through the use of disposable coring devices provided by the laboratory. The samples were extruded into duplicate vials containing known volumes of methanol preservative. Soil samples for moisture analysis were also required to complement these samples which were compacted into clean, 125 millilitre (mL) capacity laboratory supplied sample jars.

Soil samples for light and heavy extractable petroleum hydrocarbons (LEPH/HEPH) corrected for polycyclic aromatic hydrocarbons (PAH), Metals, Sodium and Chloride Ion analyses were compacted into clean, 125 mL capacity laboratory supplied sample jars with no headspace. The sampler wore nitrile gloves during the repackaging. All samples were then placed in coolers equipped with freezer packs and transported to the laboratory under chain of custody for analysis.

All laboratory analytical results were compared to the most recent British Columbia Ministry of Environment (MOE), Contaminated Sites Regulation (CSR) standards. The most stringent human and ecological health regulatory limits for agricultural, urban park and residential low density land uses were used for soil relocation comparison purposes and to determine the appropriate receiving site for the onsite soil. A figure showing the test pit locations at the school is attached. See Tables 1 to 5 attached for tabulated soil results. Test pit sampling locations are listed as TP-1 to TP-6 in the tables. Sample depth, in feet, is also included as part of the sample location description and is shown in brackets.

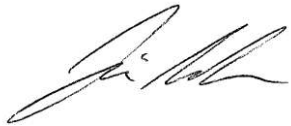
Analytical results indicate that all parameters analysed at the test pit locations contained concentrations less than the most stringent CSR generic and matrix soil standards for Agricultural, Urban Park and Low Density Residential land uses. See laboratory analytical results attached for more details.

Based on the results of the soil sampling investigation, all soil to be removed from the northeast grass field at David Lloyd George Elementary School can be sent to a fill site as clean fill.

If you have any questions or require further information on any of the above, please do not hesitate to contact us at your earliest convenience.

Sincerely,

Alliance EHS Consulting Inc.



Jim Williams, Dipl. Tech., ABI
Principal Consultant

Enclosed:

Tables 1 to 5
Test Pit and Soil Sample Location Diagram
Laboratory Analytical Results

Table 1 – LEPH/HEPH soil results

Regulatory Limits

Analyte	TP-1 (1.0)	TP-1 (3.0)	TP-2 (1.0)	TP-2 (3.0)	TP-3 (1.0)	TP-3 (2.0)	CSR AL	CSR PL	CSR RL _{LD}
LEPH	<20	<20	<20	<20	<20	<20	1000	1000	1000
HEPH	22	<20	<20	<20	<20	<20	1000	1000	1000

Table 2 – PAH soil results

Regulatory Limits

Analyte	TP-1 (1.0)	TP-1 (3.0)	TP-2 (1.0)	TP-2 (3.0)	TP-3 (1.0)	TP-3 (2.0)	CSR AL	CSR PL	CSR RL _{LD}
Naphthalene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.6	0.6	0.6
2-Methylnaphthalene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	60	100	60
1-Methylnaphthalene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	250	500	250
Acenaphthylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-
Acenaphthene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	950	2000	950
Fluorene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	600	1000	600
Phenanthrene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	5	5
Anthracene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	2.5	2.5	2.5
Fluoranthene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	50	50	50
Pyrene	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	10.00	10.00
Benzo(a)anthracene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	50	95	50
Chrysene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	200	400	200
Benzo(b)fluoranthene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	1.00	1.00
Benzo(j)fluoranthene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	1	1
Benzo(k)fluoranthene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	1	1
Benzo(a)pyrene	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	5	10	5
Indeno(1,2,3-c,d)pyrene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	50	1	1
Dibenzo(a,h)anthracene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	1	1
Benzo(g,h,i)perylene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	-	-	-
Quinoline	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.5	4.5	2.5

Notes:

Results expressed in micrograms per gram (µg/g)

< - less than detection limit

Bold – Exceeds the CSR Standard

CSR – Contaminated Sites Regulation

"-" - no standard available

(3.5) – Sample Depth in feet

AL – Agricultural Land Use

PL – Urban Park Land use

RL_{LD} – Residential Land, Low Density use

Table 1 cont'd – LEPH/HEPH soil results

Regulatory Limits

Analyte	TP-4 (3.0)	TP-4 (0.5)	TP-5 (1.0)	TP-5 (4.0)	TP-6 (1.5)	TP-6 (3.5)	CSR AL	CSR PL	CSR RL _{LD}
LEPH	<20	<20	<20	<20	<20	<20	1000	1000	1000
HEPH	<20	<20	<20	26	<20	<20	1000	1000	1000

Table 2 cont'd – PAH soil results

Regulatory Limits

Analyte	TP-4 (3.0)	TP-4 (0.5)	TP-5 (1.0)	TP-5 (4.0)	TP-6 (1.5)	TP-6 (3.5)	CSR AL	CSR PL	CSR RL _{LD}
Naphthalene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.6	0.6	0.6
2-Methylnaphthalene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	60	100	60
1-Methylnaphthalene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	250	500	250
Acenaphthylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-
Acenaphthene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	950	2000	950
Fluorene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	600	1000	600
Phenanthrene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	5	5
Anthracene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	2.5	2.5	2.5
Fluoranthene	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	50	50	50
Pyrene	0.04	<0.02	<0.02	<0.02	0.02	<0.02	0.1	10.00	10.00
Benzo(a)anthracene	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	50	95	50
Chrysene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	200	400	200
Benzo(b)fluoranthene	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	1.00	1.00
Benzo(j)fluoranthene	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	1	1
Benzo(k)fluoranthene	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	1	1
Benzo(a)pyrene	0.05	<0.03	<0.03	<0.03	<0.03	<0.03	5	10	5
Indeno(1,2,3-c,d)pyrene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	50	1	1
Dibenzo(a,h)anthracene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	1	1
Benzo(g,h,i)perylene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	-	-	-
Quinoline	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.5	4.5	2.5

Notes:

Results expressed in micrograms per gram (µg/g)

< - less than detection limit

Bold – Exceeds the CSR Standard

CSR – Contaminated Sites Regulation

"-" - no standard available

(3.5) – Sample Depth in feet

AL – Agricultural Land Use

PL – Urban Park Land use

RL_{LD} – Residential Land, Low Density use

Table 3 – Metals results

Regulatory Limits

Analyte	TP-1 (1.0)	TP-1 (3.0)	TP-2 (1.0)	TP-2 (3.0)	TP-3 (1.0)	TP-3 (2.0)	CSR AL	CSR PL	CSR RL _{LD}
Aluminium	17500	12200	13500	17200	9940	11600	40000	40000	40000
Antimony	0.4	0.1	0.2	0.1	0.2	0.2	20.0	20.0	20.0
Arsenic	2.3	3.0	3.3	3.6	3.3	3.4	10.0	10.0	10.0
Barium	57.5	57.1	43.5	60.0	41.9	48.8	350.0	350.0	350.0
Beryllium	0.2	0.2	0.1	0.2	0.1	0.1	1.0	1.0	1.0
Bismuth	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-
Boron	2.3	0.6	1.0	0.6	0.8	0.9	8500.0	15000.0	8500.0
Cadmium	0.17	0.08	0.05	0.06	0.08	0.07	1.0	1.0	1.0
Chromium	18	11	12	13	11	13	60	60	60
Cobalt	7.3	5.1	4.9	4.9	5.4	5.9	25.0	25.0	25.0
Copper	26.2	11.1	13.3	9.9	12.4	13.4	75.0	75.0	75.0
Iron	22200	18600	18000	19000	18500	19700	35000	35000	35000
Lead	15.3	2.2	2.9	2.6	4.7	2.5	120.0	120.0	120.0
Lithium	5.7	3.1	4.1	2.8	3.8	4.4	30.0	65.0	30.0
Manganese	252	222	156	200	215	229	2000	2000	2000
Mercury	0.03	0.02	0.02	0.01	0.01	<0.01	0.60	25.0	10.0
Molybdenum	0.3	<0.2	0.3	<0.2	0.2	0.2	3.0	3.0	3.0
Nickel	13.6	9.0	10.5	8.7	9.5	9.9	70.0	70.0	70.0
Selenium	<0.1	<0.1	0.3	<0.1	0.3	0.2	1.0	1.0	1.0
Silver	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	20.0	20.0	20.0
Strontium	39	44	33	43	48	50	9500	20000	9500
Thallium	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.0	9.0	9.0
Tin	0.6	0.2	0.2	0.2	0.2	0.2	5.0	50.0	50.0
Tungsten	0.12	0.06	0.08	0.07	0.09	0.07	15.0	25.0	15.0
Uranium	0.3	0.3	0.4	0.3	0.3	0.3	15.0	15.0	15.0
Vanadium	48	38	44	41	40	43	100	100	100
Zinc	49	24	22	24	26	28	150	150	150
Zirconium	2.0	3.8	4.0	5.8	3.8	4.2	-	-	-
pH	6.35	7.79	5.97	7.09	7.03	7.58	-	-	-

Notes:

Results expressed in micrograms per gram (µg/g)

< - less than detection limit

Bold – Exceeds the CSR Standard

CSR – Contaminated Sites Regulation

"-" - no standard available

(3.5) – Sample Depth in feet

AL – Agricultural Land Use

PL – Urban Park Land use

RL_{LD} – Residential Land, Low Density use

Table 3 cont'd – Metals results

Regulatory Limits

Analyte	TP-4 (3.0)	TP-4 (0.5)	TP-5 (1.0)	TP-5 (4.0)	TP-6 (1.5)	TP-6 (3.5)	CSR AL	CSR PL	CSR RL _{LD}
Aluminium	22600	19200	25400	24000	24700	31300	40000	40000	40000
Antimony	0.3	0.1	0.2	0.1	0.2	0.1	20.0	20.0	20.0
Arsenic	3.8	2.2	3.7	3.5	3.1	4.5	10.0	10.0	10.0
Barium	48.3	66.2	65.6	30.9	76.8	34.5	350.0	350.0	350.0
Beryllium	0.2	0.2	0.3	0.2	0.3	0.3	1.0	1.0	1.0
Bismuth	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-
Boron	1.6	0.8	1.6	1.5	1.7	1.6	8500.0	15000.0	8500.0
Cadmium	0.10	0.06	0.08	0.05	0.08	0.05	1.0	1.0	1.0
Chromium	15	13	13	13	13	16	60	60	60
Cobalt	6.7	5.2	7.6	6.3	7.5	6.8	25.0	25.0	25.0
Copper	18.9	10.9	12.3	9.3	12.6	11.2	75.0	75.0	75.0
Iron	23300	19800	26700	26100	25600	31000	35000	35000	35000
Lead	10.7	3.1	6.4	2.9	6.9	3.3	120.0	120.0	120.0
Lithium	6.7	3.2	8.8	6.7	9.0	6.4	30.0	65.0	30.0
Manganese	300	213	516	269	591	243	2000	2000	2000
Mercury	0.05	0.01	0.07	0.05	0.10	0.06	0.60	25.0	10.0
Molybdenum	0.5	<0.2	0.6	0.7	0.5	0.9	3.0	3.0	3.0
Nickel	12.5	8.6	11.9	9.8	12.7	12.4	70.0	70.0	70.0
Selenium	0.4	0.2	0.8	0.7	0.5	0.8	1.0	1.0	1.0
Silver	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	20.0	20.0	20.0
Strontium	34	32	33	20	24	27	9500	20000	9500
Thallium	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.0	9.0	9.0
Tin	0.4	0.2	0.4	0.2	0.4	0.2	5.0	50.0	50.0
Tungsten	0.11	0.07	0.09	0.10	0.12	0.12	15.0	25.0	15.0
Uranium	0.4	0.4	0.4	0.4	0.4	0.4	15.0	15.0	15.0
Vanadium	48	42	49	53	49	62	100	100	100
Zinc	40	25	39	29	42	27	150	150	150
Zirconium	2.0	4.8	1.9	2.2	1.8	2.6	-	-	-
pH	6.13	7.59	6.08	5.88	5.83	5.85	-	-	-

Notes:

Results expressed in micrograms per gram (µg/g)

< - less than detection limit

Bold – Exceeds the CSR Standard

CSR – Contaminated Sites Regulation

"-" - no standard available

(3.5) – Sample Depth in feet

AL – Agricultural Land Use

PL – Urban Park Land use

RL_{LD} – Residential Land, Low Density use

Table 4 - BTEX/VPH results

Analyte	Regulatory Limits						CSR AL	CSR PL	CSR R _{LD}
	TP-1 (1.0)	TP-1 (3.0)	TP-2 (1.0)	TP-2 (3.0)	TP-3 (1.0)	TP-3 (2.0)			
Methyl tert-butyl ether (MTBE)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	4000	8000	4000
Benzene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.035	0.035	0.035
Toluene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	0.5	0.5
Ethylbenzene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	15	15	15
m&p-Xylene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	-
o-Xylene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	-
Styrene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	5	5
VPH	<10	<10	<10	<10	<10	<10	200	200	200
VH	<10	<10	<10	<10	<10	<10	-	-	-
Total Xylenes	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	6.5	6.5	6.5

Table 4 cont'd - BTEX/VPH results

Analyte	Regulatory Limits						CSR AL	CSR PL	CSR R _{LD}
	TP-4 (3.0)	TP-4 (0.5)	TP-5 (1.0)	TP-5 (4.0)	TP-6 (1.5)	TP-6 (3.5)			
Methyl tert-butyl ether (MTBE)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	4000	8000	4000
Benzene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.035	0.035	0.035
Toluene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	0.5	0.5
Ethylbenzene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	15	15	15
m&p-Xylene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	-
o-Xylene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	-
Styrene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	5	5
VPH	<10	<10	<10	<10	<10	<10	200	200	200
VH	<10	<10	<10	<10	<10	<10	-	-	-
Total Xylenes	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	6.5	6.5	6.5

Notes:

Results expressed in micrograms per gram (µg/g)
 < - less than detection limit
Bold – Exceeds the CSR Standard

CSR – Contaminated Sites Regulation
 “-” - no standard available
 (3.5) – Sample Depth in feet

AL – Agricultural Land Use
 PL – Urban Park Land use
 R_{LD} – Residential Land, Low Density use

Table 5 - Soil Salinity results

Regulatory Limits

Analyte	TP-1 (1.0)	TP-1 (3.0)	TP-2 (1.0)	TP-2 (3.0)	TP-3 (1.0)	TP-3 (2.0)	CSR AL	CSR PL	CSR RL _{LD}
Chloride, Soluble	9	12	4	66	15	12	-	-	-
Sodium, Soluble	6	22	5	48	24	12	-	-	-
Saturation Percentage	38.4	21.8	30.4	25.9	24.5	26.1	-	-	-
Sodium, Soluble (mg/kg)	2	5	<2	12	6	3	200	200	200
Chloride, Soluble (mg/kg)	3	3	<2	17	4	3	40	40	40

Table 5 cont'd - Soil Salinity results

Regulatory Limits

Analyte	TP-4 (3.0)	TP-4 (0.5)	TP-5 (1.0)	TP-5 (4.0)	TP-6 (1.5)	TP-6 (3.5)	CSR AL	CSR PL	CSR RL _{LD}
Chloride, Soluble	10	6	5	5	4	6	-	-	-
Sodium, Soluble	6	25	3	3	2	5	-	-	-
Saturation Percentage	39.9	24.4	44.4	46.8	52.6	44.8	-	-	-
Sodium, Soluble (mg/kg)	2	6	<2	<2	<2	2	200	200	200
Chloride, Soluble (mg/kg)	4	<2	2	2	2	3	40	40	40

Notes:

Results expressed in micrograms per gram (µg/g)

< - less than detection limit

Bold – Exceeds the CSR Standard

CSR – Contaminated Sites Regulation

"-" - no standard available

(3.5) – Sample Depth in feet

AL – Agricultural Land Use

PL – Urban Park Land use

RL_{LD} – Residential Land, Low Density use

Test Pit and Soil Sample Location Diagram



CLIENT NAME: ALLIANCE EHS CONSULTING INC
507 - 71 W 2ND AVE
VANCOUVER , BC V5Y 0J7
604-722-7407

ATTENTION TO: JAMES WILLIAMS

PROJECT: 20054

AGAT WORK ORDER: 20V602408

SOIL ANALYSIS REVIEWED BY: Dana Solari, Lab Reporter

TRACE ORGANICS REVIEWED BY: Dana Solari, Lab Reporter

DATE REPORTED: Jun 09, 2020

PAGES (INCLUDING COVER): 20

VERSION*: 2

Should you require any information regarding this analysis please contact your client services representative at (778) 452-4000

*Notes

VERSION 2: Sample receipt temperature 15°C.

Version 2 was released on June 9, 2020 to report Sodium and Chloride in soil, as requested by Jim. Version 2 is amendment to version 1.

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days following analysis, unless expressly agreed otherwise in writing. Please contact your Client Project Manager if you require additional sample storage time.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.
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- The test results reported herewith relate only to the samples as received by the laboratory.
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- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.



Certificate of Analysis

AGAT WORK ORDER: 20V602408

PROJECT: 20054

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 FAX (778)452-4074
<http://www.agatlabs.com>

CLIENT NAME: ALLIANCE EHS CONSULTING INC

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

BC CSR Omnibus Metals in Soil

DATE RECEIVED: 2020-05-15

DATE REPORTED: 2020-06-09

SAMPLE DESCRIPTION:		TP-1 1.0	TP-1 3.0	TP-2 1.0	TP-2 3.0	TP-3 1.0	TP-3 2.0	TP-4 0.5	TP-4 2.0		
SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
DATE SAMPLED:											
Parameter	Unit	G / S	RDL	1130742	1130743	1130744	1130745	1130746	1130747	1130748	1130749
Aluminum	µg/g	10	17500	12200	13500	17200	9940	11600	22600	19200	
Antimony	µg/g	0.1	0.4	0.1	0.2	0.1	0.2	0.2	0.3	0.1	
Arsenic	µg/g	0.1	2.3	3.0	3.3	3.6	3.3	3.4	3.8	2.2	
Barium	µg/g	0.5	57.5	57.1	43.5	60.0	41.9	48.8	48.3	66.2	
Beryllium	µg/g	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.2	
Bismuth	µg/g	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Boron	µg/g	0.5	2.3	0.6	1.0	0.6	0.8	0.9	1.6	0.8	
Cadmium	µg/g	0.01	0.17	0.08	0.05	0.06	0.08	0.07	0.10	0.06	
Chromium	µg/g	1	18	11	12	13	11	13	15	13	
Cobalt	µg/g	0.1	7.3	5.1	4.9	4.9	5.4	5.9	6.7	5.2	
Copper	µg/g	0.2	26.2	11.1	13.3	9.9	12.4	13.4	18.9	10.9	
Iron	µg/g	10	22200	18600	18000	19000	18500	19700	23300	19800	
Lead	µg/g	0.1	15.3	2.2	2.9	2.6	4.7	2.5	10.7	3.1	
Lithium	µg/g	0.5	5.7	3.1	4.1	2.8	3.8	4.4	6.7	3.2	
Manganese	µg/g	1	252	222	156	200	215	229	300	213	
Mercury	µg/g	0.01	0.03	0.02	0.02	0.01	0.01	<0.01	0.05	0.01	
Molybdenum	µg/g	0.2	0.3	<0.2	0.3	<0.2	0.2	0.2	0.5	<0.2	
Nickel	µg/g	0.5	13.6	9.0	10.5	8.7	9.5	9.9	12.5	8.6	
Selenium	µg/g	0.1	<0.1	<0.1	0.3	<0.1	0.3	0.2	0.4	0.2	
Silver	µg/g	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Strontium	µg/g	1	39	44	33	43	48	50	34	32	
Thallium	µg/g	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Tin	µg/g	0.2	0.6	0.2	0.2	0.2	0.2	0.2	0.4	0.2	
Tungsten	µg/g	0.05	0.12	0.06	0.08	0.07	0.09	0.07	0.11	0.07	
Uranium	µg/g	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.4	
Vanadium	µg/g	1	48	38	44	41	40	43	48	42	
Zinc	µg/g	1	49	24	22	24	26	28	40	25	
Zirconium	µg/g	0.1	2.0	3.8	4.0	5.8	3.8	4.2	2.0	4.8	
pH 1:2	pH units	0.05	6.35	7.79	5.97	7.09	7.03	7.58	6.13	7.59	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20V602408

PROJECT: 20054

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 FAX (778)452-4074
<http://www.agatlabs.com>

CLIENT NAME: ALLIANCE EHS CONSULTING INC

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

BC CSR Omnibus Metals in Soil

DATE RECEIVED: 2020-05-15

DATE REPORTED: 2020-06-09

Parameter	Unit	SAMPLE DESCRIPTION:		TP-5 1.0	TP-5 4.0	TP-6 1.5	TP-6 3.5
		SAMPLE TYPE:		Soil	Soil	Soil	Soil
		DATE SAMPLED:					2020-05-15
		G / S	RDL	1130750	1130751	1130752	1130753
Aluminum	µg/g	10	25400	24000	24700	31300	
Antimony	µg/g	0.1	0.2	0.1	0.2	0.1	
Arsenic	µg/g	0.1	3.7	3.5	3.1	4.5	
Barium	µg/g	0.5	65.6	30.9	76.8	34.5	
Beryllium	µg/g	0.1	0.3	0.2	0.3	0.3	
Bismuth	µg/g	0.5	<0.5	<0.5	<0.5	<0.5	
Boron	µg/g	0.5	1.6	1.5	1.7	1.6	
Cadmium	µg/g	0.01	0.08	0.05	0.08	0.05	
Chromium	µg/g	1	13	13	13	16	
Cobalt	µg/g	0.1	7.6	6.3	7.5	6.8	
Copper	µg/g	0.2	12.3	9.3	12.6	11.2	
Iron	µg/g	10	26700	26100	25600	31000	
Lead	µg/g	0.1	6.4	2.9	6.9	3.3	
Lithium	µg/g	0.5	8.8	6.7	9.0	6.4	
Manganese	µg/g	1	516	269	591	243	
Mercury	µg/g	0.01	0.07	0.05	0.10	0.06	
Molybdenum	µg/g	0.2	0.6	0.7	0.5	0.9	
Nickel	µg/g	0.5	11.9	9.8	12.7	12.4	
Selenium	µg/g	0.1	0.8	0.7	0.5	0.8	
Silver	µg/g	0.5	<0.5	<0.5	<0.5	<0.5	
Strontium	µg/g	1	33	20	24	27	
Thallium	µg/g	0.1	<0.1	<0.1	<0.1	<0.1	
Tin	µg/g	0.2	0.4	0.2	0.4	0.2	
Tungsten	µg/g	0.05	0.09	0.10	0.12	0.12	
Uranium	µg/g	0.2	0.4	0.4	0.4	0.4	
Vanadium	µg/g	1	49	53	49	62	
Zinc	µg/g	1	39	29	42	27	
Zirconium	µg/g	0.1	1.9	2.2	1.8	2.6	
pH 1:2	pH units	0.05	6.08	5.88	5.83	5.85	

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 20V602408

PROJECT: 20054

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<http://www.agatlabs.com>

CLIENT NAME: ALLIANCE EHS CONSULTING INC

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

BC CSR Omnibus Metals in Soil

DATE RECEIVED: 2020-05-15

DATE REPORTED: 2020-06-09

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

1130742-1130753 Results are based on the dry weight of the sample

Analysis performed at AGAT Vancouver (unless marked by *)

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20V602408

PROJECT: 20054

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CLIENT NAME: ALLIANCE EHS CONSULTING INC

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

Soil Salinity - Na & Cl

DATE RECEIVED: 2020-05-15

DATE REPORTED: 2020-06-09

		SAMPLE DESCRIPTION:		TP-1 1.0	TP-1 3.0	TP-2 1.0	TP-2 3.0	TP-3 1.0	TP-3 2.0	TP-4 0.5	TP-4 2.0
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:									
Parameter	Unit	G / S	RDL	1130742	1130743	1130744	1130745	1130746	1130747	1130748	1130749
Chloride, Soluble	mg/L		2	9	12	4	66	15	12	10	6
Sodium, Soluble	mg/L		2	6	22	5	48	24	12	6	25
Saturation Percentage	%		0.5	38.4	21.8	30.4	25.9	24.5	26.1	39.9	24.4
Chloride, Soluble (mg/kg)	mg/kg		2	3	3	<2	17	4	3	4	<2
Sodium, Soluble (mg/kg)	mg/kg		2	2	5	<2	12	6	3	2	6
		SAMPLE DESCRIPTION:		TP-5 1.0	TP-5 4.0	TP-6 1.5	TP-6 3.5				
		SAMPLE TYPE:		Soil	Soil	Soil	Soil				
		DATE SAMPLED:						2020-05-15			
Parameter	Unit	G / S	RDL	1130750	1130751	1130752	1130753				
Chloride, Soluble	mg/L		2	5	5	4	6				
Sodium, Soluble	mg/L		2	3	3	2	5				
Saturation Percentage	%		0.5	44.4	46.8	52.6	44.8				
Chloride, Soluble (mg/kg)	mg/kg		2	2	2	2	3				
Sodium, Soluble (mg/kg)	mg/kg		2	<2	<2	<2	2				

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard
 Analysis performed at AGAT Vancouver (unless marked by *)

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20V602408

PROJECT: 20054

Unit 120, 8600 Glenlyon Parkway
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<http://www.agatlabs.com>

CLIENT NAME: ALLIANCE EHS CONSULTING INC

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

BTEX / VPH / LEPH / HEPH Soil

DATE RECEIVED: 2020-05-15

DATE REPORTED: 2020-06-09

Parameter	Unit	SAMPLE DESCRIPTION:		TP-1 1.0	TP-1 3.0	TP-2 1.0	TP-2 3.0	TP-3 1.0	TP-3 2.0	TP-4 0.5	TP-4 2.0
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		1130742	1130743	1130744	1130745	1130746	1130747	1130748	1130749
Methyl tert-butyl ether (MTBE)	µg/g	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	µg/g	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Toluene	µg/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	µg/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
m&p-Xylene	µg/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
o-Xylene	µg/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Total Xylenes	µg/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Styrene	µg/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
VPH	µg/g	10	<10	<10	<10	<10	<10	<10	<10	<10	<10
VH	µg/g	10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Naphthalene	µg/g	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-Methylnaphthalene	µg/g	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1-Methylnaphthalene	µg/g	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthylene	µg/g	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthene	µg/g	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Fluorene	µg/g	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	µg/g	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Anthracene	µg/g	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	µg/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	<0.05
Pyrene	µg/g	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	<0.02
Benzo(a)anthracene	µg/g	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02
Chrysene	µg/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	µg/g	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02
Benzo(j)fluoranthene	µg/g	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02
Benzo(k)fluoranthene	µg/g	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02
Benzo(b+)fluoranthene	µg/g	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.05	<0.03
Benzo(a)pyrene	µg/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	µg/g	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Dibenzo(a,h)anthracene	µg/g	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(g,h,i)perylene	µg/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20V602408

PROJECT: 20054

Unit 120, 8600 Glenlyon Parkway
 Burnaby, British Columbia
 CANADA V5J 0B6
 TEL (778)452-4000
 FAX (778)452-4074
<http://www.agatlabs.com>

CLIENT NAME: ALLIANCE EHS CONSULTING INC

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

BTEX / VPH / LEPH / HEPH Soil

DATE RECEIVED: 2020-05-15

DATE REPORTED: 2020-06-09

SAMPLE DESCRIPTION:		TP-1 1.0	TP-1 3.0	TP-2 1.0	TP-2 3.0	TP-3 1.0	TP-3 2.0	TP-4 0.5	TP-4 2.0	
SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
DATE SAMPLED:		1130742	1130743	1130744	1130745	1130746	1130747	1130748	1130749	
Parameter	Unit	G / S	RDL							
Quinoline	µg/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EPH C10-C19	µg/g	20	<20	<20	<20	<20	<20	<20	<20	
EPH C19-C32	µg/g	20	22	<20	<20	<20	<20	<20	<20	
LEPH C10-C19	µg/g	20	<20	<20	<20	<20	<20	<20	<20	
HEPH C19-C32	µg/g	20	22	<20	<20	<20	<20	<20	<20	
Surrogate	Unit	Acceptable Limits								
Naphthalene - d8	%	50-140	90	84	82	85	83	88	85	88
Pyrene-d10	%	50-140	88	77	75	77	74	80	81	78
P-Terphenyl - d14	%	50-140	95	87	86	89	86	92	88	91
Bromofluorobenzene	%	60-140	94	91	94	96	94	95	92	91
Dibromofluoromethane	%	60-140	95	91	94	98	95	96	99	95
Toluene - d8	%	60-140	94	91	96	96	95	95	95	94

Certified By:



Certificate of Analysis

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CLIENT NAME: ALLIANCE EHS CONSULTING INC

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

BTEX / VPH / LEPH / HEPH Soil

DATE RECEIVED: 2020-05-15

DATE REPORTED: 2020-06-09

Parameter	Unit	SAMPLE DESCRIPTION:		TP-5 1.0	TP-5 4.0	TP-6 1.5	TP-6 3.5
		SAMPLE TYPE:		Soil	Soil	Soil	Soil
		DATE SAMPLED:					2020-05-15
		G / S	RDL	1130750	1130751	1130752	1130753
Methyl tert-butyl ether (MTBE)	µg/g		0.1	<0.1	<0.1	<0.1	<0.1
Benzene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02
Toluene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05
m&p-Xylene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05
o-Xylene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05
Total Xylenes	µg/g		0.05	<0.05	<0.05	<0.05	<0.05
Styrene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05
VPH	µg/g		10	<10	<10	<10	<10
VH	µg/g		10	<10	<10	<10	<10
Naphthalene	µg/g		0.01	<0.01	<0.01	<0.01	<0.01
2-Methylnaphthalene	µg/g		0.01	<0.01	<0.01	<0.01	<0.01
1-Methylnaphthalene	µg/g		0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthylene	µg/g		0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthene	µg/g		0.01	<0.01	<0.01	<0.01	<0.01
Fluorene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02
Anthracene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05
Pyrene	µg/g		0.02	<0.02	<0.02	0.02	<0.02
Benzo(a)anthracene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02
Chrysene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02
Benzo(j)fluoranthene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02
Benzo(k)fluoranthene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02
Benzo(b+j)fluoranthene	µg/g		0.03	<0.03	<0.03	<0.03	<0.03
Benzo(a)pyrene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02
Dibenzo(a,h)anthracene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02
Benzo(g,h,i)perylene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05

Certified By:

D. Solami



Certificate of Analysis

AGAT WORK ORDER: 20V602408

PROJECT: 20054

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CLIENT NAME: ALLIANCE EHS CONSULTING INC

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

BTEX / VPH / LEPH / HEPH Soil							
DATE RECEIVED: 2020-05-15				DATE REPORTED: 2020-06-09			
SAMPLE DESCRIPTION:		TP-5 1.0	TP-5 4.0	TP-6 1.5	TP-6 3.5		
SAMPLE TYPE:		Soil	Soil	Soil	Soil		
DATE SAMPLED:		2020-05-15		2020-05-15			
Parameter	Unit	G / S	RDL	1130750	1130751	1130752	1130753
Quinoline	µg/g		0.05	<0.05	<0.05	<0.05	<0.05
EPH C10-C19	µg/g		20	<20	<20	<20	<20
EPH C19-C32	µg/g		20	<20	26	<20	<20
LEPH C10-C19	µg/g		20	<20	<20	<20	<20
HEPH C19-C32	µg/g		20	<20	26	<20	<20
Surrogate	Unit	Acceptable Limits					
Naphthalene - d8	%	50-140		87	88	82	88
Pyrene-d10	%	50-140		83	85	79	83
P-Terphenyl - d14	%	50-140		93	94	88	91
Bromofluorobenzene	%	60-140		91	91	88	94
Dibromofluoromethane	%	60-140		94	96	91	98
Toluene - d8	%	60-140		92	95	90	96

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

1130742 Results are based on dry weight of sample.
VPH results have been corrected for BTEXS contributions.
LEPH & HEPH results have been corrected for PAH contributions.
Soil sample is visibly heterogeneous.

1130743-1130753 Results are based on dry weight of sample.
VPH results have been corrected for BTEXS contributions.
LEPH & HEPH results have been corrected for PAH contributions.
Soil sample is visibly heterogeneous.

Analysis performed at AGAT Vancouver (unless marked by *)

Certified By:

Quality Assurance

CLIENT NAME: ALLIANCE EHS CONSULTING INC
 PROJECT: 20054
 SAMPLING SITE:

AGAT WORK ORDER: 20V602408
 ATTENTION TO: JAMES WILLIAMS
 SAMPLED BY:

Soil Analysis														
RPT Date: Jun 09, 2020			DUPLICATE				Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE		MATRIX SPIKE	
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Measured Value		Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits
							Lower	Upper	Lower		Upper	Lower		Upper

BC CSR Omnibus Metals in Soil

Aluminum	1130742	17500	18800	7.3%	< 10	111%	70%	130%	85%	85%	115%
Antimony	1130742	0.4	0.4	NA	< 0.1	117%	70%	130%	104%	85%	115%
Arsenic	1130742	2.3	2.8	21.0%	< 0.1	93%	70%	130%	92%	85%	115%
Barium	1130742	57.5	72.2	22.6%	< 0.5	113%	70%	130%	104%	85%	115%
Beryllium	1130742	0.2	0.2	NA	< 0.1	102%	70%	130%	101%	85%	115%
Bismuth	1130742	<0.5	<0.5	NA	< 0.5				99%	85%	115%
Boron	1130742	2.3	2.9	23.1%	< 0.5				115%	85%	115%
Cadmium	1130742	0.17	0.20	18.5%	< 0.01	90%	70%	130%	95%	85%	115%
Chromium	1130742	18	22	18.2%	< 1	88%	70%	130%	89%	85%	115%
Cobalt	1130742	7.3	8.0	9.1%	< 0.1	83%	70%	130%	98%	85%	115%
Copper	1130742	26.2	28.5	8.5%	< 0.2	84%	70%	130%	93%	85%	115%
Iron	1130742	22200	25100	12.2%	< 10	106%	70%	130%	106%	85%	115%
Lead	1130742	15.3	19.2	22.5%	< 0.1	96%	70%	130%	98%	85%	115%
Lithium	1130742	5.7	7.2	22.7%	< 0.5				97%	85%	115%
Manganese	1130742	252	306	19.2%	< 1	91%	70%	130%	90%	85%	115%
Mercury	1130742	0.03	0.04	NA	< 0.01	128%	70%	130%	102%	85%	115%
Molybdenum	1130742	0.3	0.4	NA	< 0.2	115%	70%	130%	100%	85%	115%
Nickel	1130742	13.6	15.2	10.8%	< 0.5	85%	70%	130%	98%	85%	115%
Selenium	1130742	<0.1	0.1	NA	< 0.1				105%	85%	115%
Silver	1130742	<0.5	<0.5	NA	< 0.5	105%	70%	130%	92%	85%	115%
Strontium	1130742	39	39	0.3%	< 1	118%	70%	130%	102%	85%	115%
Thallium	1130742	<0.1	<0.1	NA	< 0.1	109%	70%	130%	98%	85%	115%
Tin	1130742	0.6	0.7	NA	< 0.2	104%	70%	130%	89%	85%	115%
Tungsten	1130742	0.12	0.14	NA	< 0.05	103%	70%	130%	97%	85%	115%
Uranium	1130742	0.3	0.4	NA	< 0.2	100%	70%	130%	97%	85%	110%
Vanadium	1130742	48	55	13.8%	< 1	90%	70%	130%	93%	85%	115%
Zinc	1130742	49	54	8.1%	< 1	83%	70%	130%	93%	85%	115%
Zirconium	1130742	2.0	2.1	7.2%	< 0.1				91%	85%	115%
pH 1:2	1130742	6.35	6.33	0.3%		97%	90%	110%	99%	95%	105%

Comments: RPDs are calculated using raw analytical data and not the rounded duplicate values reported.

Soil Salinity - Na & Cl

Chloride, Soluble	1175289 IH20191	470	471	0.2%	< 2	91%	80%	120%	109%	85%	115%
Sodium, Soluble	1175289 IH20191	245	239	2.5%	< 2	102%	80%	120%	99%	85%	115%
Saturation Percentage	1175289 IH20191	40.8	40.6	0.5%	< 0.5	100%	80%	120%			

Comments: RPDs are calculated using raw analytical data and not the rounded duplicate values reported.