

March 15, 2017

School District 68 (Nanaimo-Ladysmith)
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ISSUED FOR USE
FILE: ENW.VENW03011-01
Via Email: BHackwood@sd68.bc.ca

Attention: Carrie McVeigh, Acting Secretary Treasurer; Brian Hackwood, Maintenance Manager

Subject: Domestic Water Testing (Lead) Inventory – Various Schools

1.0 INTRODUCTION

1.1 General

Tetra Tech Canada Inc. (Tetra Tech) was retained School District 68 Nanaimo-Ladysmith (SD 68) to conduct a domestic water testing inventory at two secondary schools, nine elementary schools, and three other facilities located in SD 68. Tetra Tech understands that the BC Ministry of Education has issued a directive to protect drinking water. The directive requires that a systematic investigation of public drinking water supplies at select schools in the District be undertaken. The investigation is based on procedures set forth by the Vancouver Island Health Authority (VIHA) to ascertain risk and to undertake mitigation if required.

Ms. Maureen Hambley, Assistant Secretary-Treasurer for SD 68, provided Tetra Tech with PO 102903 to proceed with the inventory on November 14, 2016.

2.0 SCOPE OF SERVICES

The initial sampling locations included thirty at each secondary school, ten at each elementary school, and five from each of the other facilities. The initial program included a total of 155 sampling locations, however the addition of Hammond Bay Elementary to the sampling program; and additional high-use drinking water locations resulted in a total of 268 locations being sampled. The sampling locations included one point that was closest to the location where the water supply enters the building. Samples of cold water were only collected from points where human consumption of water occurred (such as drinking fountains or kitchen sinks) or was reasonably likely to occur (such as sinks in classrooms where electric kettles were observed). The sampling locations for each school and facility are shown on the attached Figures 1 to 14.

The initial sampling program consisted of collecting three samples of cold water per location; the first collected immediately, prior to any water line flushing; the second collected after two minutes of water line flushing; and third collected after five minutes of flushing. The sampling was to take place over four successive days.

Following a kick-off meeting with Tetra Tech's representative Darren Thomas; Brad Stacey, Capital Projects Coordinator and Brian Hackwood, Maintenance Manager, both with SD 68; the work scope was altered to split the sampling of facilities over 4 Mondays in order collect water samples at an approximate worst-case scenario representing water that had remained in contact with the respective buildings' plumbing over the course of a weekend. The sampling protocol was also adjusted to sample at 0 seconds and 30 seconds to better meet the Health Canada guidelines. Additional 2 and 5 minute samples would be conducted at a later date if a review of the

analytical data indicated it was necessary. The sampling was split in order to not compromise the integrity of the 0 and 30 second samples due to excessive flushing of the facility water pipes.

Tetra Tech then shipped the samples collected at Time = 0 min (i.e., prior to line flushing) under normal reporting time (5 business days from reception at the laboratory) to Maxxam Analytics of Burnaby, BC (Maxxam) under chain-of-custody procedures. To avoid laboratory holding fees and environmental disposal fees, Tetra Tech held the remaining samples at our Nanaimo office under refrigerated conditions. Subsequent samples were only shipped to Maxxam if further testing was required based on the results of the previous tests. The samples were analyzed for total lead concentrations. Maxxam is a Canadian Association for Laboratory Accreditation (CALA) certified lab. At the end of the program, Tetra Tech will discard all untested samples at no extra cost.

Tetra Tech had Maxxam highlight any lead concentration exceedances of the Guidelines for Canadian Drinking Water Quality and inform Tetra Tech immediately; the results were then forwarded to SD 68 personnel. If a total lead concentration exceedance was found, Tetra Tech requested testing of the subsequent interval sample. If that sample also exceeded the guidelines, then further 2 and 5 minute samples were collected at the sample location the following Monday.

Once the analytical testing was completed, Tetra Tech evaluated the results and prepared this letter report that summarizes the results of each facility. Where lead concentrations exceeded the Guidelines for Canadian Drinking Water Quality, Tetra Tech has provide recommendations to abate or mitigate areas where exceedances have occurred. This may include a follow-up confirmatory testing program, recommendations for a complete water system flush of the entire facility, disconnecting a water tap, or placing a dispensing station out of order until a solution has been completed.

Finally, Tetra Tech populated the Ministry of Education’s spreadsheet entitled “Report for Testing Lead Content in Drinking Water of School Facilities” with the results and recommendations for abatement or mitigation measures.

3.0 METHODOLOGY

Tetra Tech completed the domestic water testing inventory program between December 5, 2016 and January 23, 2017. The site works and methodologies employed during the field program are detailed in the following subsections.

3.1 Sampling Locations

The attached table, “Report for Testing Lead Content in Drinking Water of School Facilities” lists all the sampling locations and their descriptions. The sampling locations for each facility are also shown on Figures 1 through 14.

Tetra Tech reviewed plans for each facility prior to commencing the field work to identify potential sampling locations. Each facility was then assessed in the field and sampling locations were selected based on the probability of human consumption at a location. Drinking fountains and kitchen sinks were all considered to have a high probability of human consumption of water and were always sampled. Sinks in classrooms where there was anecdotal evidence of human consumption of water, such as water bottles, cups, or electric kettles were also considered to have a high probability of human consumption of water and were sampled. Classroom laboratory sinks were considered to have a low probability of human consumption of water; however filling cups and water bottles could not be ruled out and Tetra Tech opted to sample a selection of representative laboratory sinks in each facility where present. Finally, washrooms and utility sinks, unless there was other evidence of human consumption of water (such as an electric kettle) were considered to be a low probability of human consumption of water and were not sampled.

For each facility, Tetra Tech collected a sample from the closest accessible faucet to where SD 68 identified the water supply entering the building. This sample was collected after flushing the faucet for 5 minutes and is intended to be representative of the water supply entering the building. As this sample was collected at a point prior to any other drinking water consumption points in the water distribution system for the facility, excessive flushing of the lines was not a concern.

3.2 Drinking Water Sampling

Samples were collected at 0 seconds (pre-flush) and after flushing the sample point with cold water for 30 seconds. If the sample analytical results indicated further testing was required, additional samples were collected after flushing with cold water for 2 minutes and 5 minutes at a subsequent sampling event. Water samples were collected directly from the sample point into clean, labeled, new laboratory-supplied containers pre-charged with preservative for total lead. Sampling personnel wore new nitrile gloves prior to collecting each sample. Samples were kept in a cooler with ice after collection until brought back to Tetra Tech's Nanaimo office, where samples not immediately submitted to the laboratory were stored in refrigerated conditions.

3.3 Analytical Testing

Maxxam is a Canadian Association for Laboratory Accreditation (CALA) accredited laboratory that is qualified to analyze the samples using British Columbia Ministry of Environment (MoE)-approved procedures. All water samples submitted were analyzed for total lead.

3.4 Quality Assurance / Quality Control

During the sampling program, Tetra Tech implemented a Quality Assurance/Quality Control (QA/QC) program to ensure the integrity of the sampling methodology and analytical testing. The QA/QC program adhered to Tetra Tech's in-house Quality Management System (QMS), which was designed to generate representative samples, minimize the potential for cross-contamination between sampling locations and samples, and reduce the potential for systematic bias.

The QA/QC program included the following tasks:

- Recording the results of field activities in the field concurrently with the activities;
- Use of clean, new sampling gloves at each sampling location;
- Placing samples into new, labeled laboratory-supplied containers;
- Transporting samples to Maxxam in chilled coolers using chain-of-custody procedures;
- Using a Canadian Association for Laboratory Accreditation (CALA) accredited laboratory that is qualified to analyze the samples using MOE-approved procedures;
- Independently verifying the sample concentrations flagged by Maxxam as being greater than Health Canada guidelines by uploading laboratory results using ESdat, an environmental data management software, to minimize transcription errors; and
- Conducting a review of this report by a qualified senior Tetra Tech EBA professional to ensure that the report meets Tetra Tech technical and reporting requirements.

Laboratory Quality Assurance / Quality Control Program

Water samples were submitted to Maxxam, a CALA accredited laboratory. Laboratory testing was conducted using methods outlined in the British Columbia Environmental Laboratory Manual. Laboratory QA/QC reports are attached to the laboratory reports presented in Appendix B. Samples included in the QA/QC reports consist of laboratory batches and will include random samples from the lab report and potentially other projects to complete a batch.

The Laboratories will note any sample deficiencies, such as unacceptable headspace, broken jars or bottles, etc. As well, the laboratory will measure the temperature of samples received by the laboratory in Burnaby. Additionally, the laboratory will use five different methods for checking the quality of sample analytical results, these include:

Laboratory Duplicate – Relative Percent Difference (RPD)

A second aliquot is obtained from a randomly chosen sample. The aliquot is processed and the results expressed as the RPD between the two results. The purpose of the laboratory duplicate is to evaluate analytical precision and sample homogeneity. A laboratory duplicate is performed for every 20 samples analyzed.

Matrix Spike

A second aliquot is obtained from a randomly chosen sample and seeded with a known concentration of target analytes. The sample is processed and results are expressed as a percentage recovery and must be within acceptable laboratory recovery limits. The purpose of the Matrix Spike is to evaluate any “matrix effects” that may exist in a sample due to its composition that may affect recovery of analytes. A matrix spike is performed for every 20 samples analyzed.

Blank Spike

An uncontaminated sample free of the target analytes or interferences is seeded with a known concentration of target analytes. The blank spike is processed and results are expressed as a percentage recovery and must be within acceptable laboratory recovery limits. The purpose of the blank spike is to monitor analyte recovery and potential loss during the preparation procedures and to validate the calibration of the instrumentation or technique. A blank spike is performed for every 20 samples analyzed.

Method Blank

An uncontaminated sample is obtained that is free of the target parameters and of any substance which may interfere with that analysis. A method blank is processed to monitor laboratory background levels of target analytes and laboratory artifacts. A method blank is performed for every 20 samples analyzed.

4.0 ASSESSMENT STANDARDS

As per the guidance from the Vancouver Island Health Authority (VIHA), Tetra Tech compared the sample analytical results to the *Guidelines for Canadian Drinking Water Quality* (GCDWQ) published by Health Canada, February 2017. The guidelines list a Maximum Acceptable Concentration (MAC) for lead of 0.010 mg/L. The MAC for lead is based on chronic effects and is intended to apply to average concentrations in water consumed for extended periods. No immediately toxic concentration for lead is listed, however exposure to lead should nevertheless be kept to a minimum.

5.0 ANALYTICAL RESULTS

The following report sections summarize the comparison of the Domestic Water Testing Inventory results to the applicable *Guidelines for Canadian Drinking Water Quality* MAC. Laboratory testing results are summarized in the attached table, "Report for Testing Lead Content in Drinking Water of School Facilities." Laboratory certificates are attached as Appendix B.

5.1 Nanaimo District Secondary School (NDSS)

Tetra Tech collected water samples from NDSS on December 5, 2016 and January 9, 2017. A total of 39 sampling locations were identified and sampled. Of the 39 locations, 6 pre-flush samples contained concentrations of lead exceeding the CDWQG MAC of 0.01 mg/L (NDSS#11, #13, #29, #30, #31 and #35). One sample, NDSS#35 (sink in prep room 222A) continued to exceed the MAC for lead for both the 30 second (0.029 mg/L) and 5 minute (0.013 mg/L) flush samples. The remaining sample locations were all below the MAC for lead for their 0 second or 30 second samples.

Sampling locations are shown on Figure 1. Laboratory testing results for NDSS are summarized in the attached table, "Report for Testing Lead Content in Drinking Water of School Facilities."

5.2 District Administration Centre (DAC)

Tetra Tech collected water samples from the DAC on December 5, 2016. A total of 5 sampling locations were identified and sampled. Of the 5 locations, 1 pre-flush sample, DAC#2 collected from the sink in the water closet adjacent to room 109, contained concentrations of lead exceeding the CDWQG MAC of 0.010 mg/L at 0.015 mg/L. The subsequent 30 second sample was below the MAC for lead at 0.002 mg/L. The remaining sample locations were all below the MAC for lead for their 0 second samples.

Sampling locations are shown on Figure 2. Laboratory testing results for the DAC are summarized in the attached table, "Report for Testing Lead Content in Drinking Water of School Facilities."

5.3 Rotary Bowl Change House (RBCH)

Tetra Tech collected water samples from the RBCH on December 5, 2016. A total of 5 sampling locations were identified and sampled. Of the 5 locations, 3 pre-flush samples contained concentrations of lead exceeding the CDWQG MAC of 10 mg/L (RBCH #2, #3 and #5). An additional sample, RBCH#1 was marginally below the MAC for lead at 0.00999 mg/L (sink in boys change room) and also had its 30 second sample analyzed. The remaining sample location was below the MAC for lead for its 0 second sample. All subsequent 30 second samples analyzed were below the MAC for lead.

Sampling locations are shown on Figure 3. Laboratory testing results for the RBCH are summarized in the attached table, "Report for Testing Lead Content in Drinking Water of School Facilities."

5.4 Bayview Elementary School (BV)

Tetra Tech collected water samples from BV on December 12, 2016. A total of 15 sampling locations were identified and sampled. Of the 15 locations, 3 pre-flush samples contained concentrations of lead exceeding the CDWQG MAC of 10 mg/L (BV#2, #6, and #12). The remaining sample locations were all below the MAC for lead for their 0 second samples. All subsequent 30 second samples analyzed were below the MAC for lead.

Sampling locations are shown on Figure 4. Laboratory testing results for BV are summarized in the attached table, "Report for Testing Lead Content in Drinking Water of School Facilities."

5.5 Chase River Elementary School (CR)

Tetra Tech collected water samples from CR on December 12, 2016. A total of 14 sampling locations were identified and sampled. Of the 14 locations, 5 pre-flush samples contained concentrations of lead exceeding the CDWQG MAC of 10 mg/L (CR#2, #4, #6, #9 and #14). The remaining sample locations were all below the MAC for lead for their 0 second samples. All subsequent 30 second samples analyzed were below the MAC for lead.

Sampling locations are shown on Figure 5. Laboratory testing results for CR are summarized in the attached table, "Report for Testing Lead Content in Drinking Water of School Facilities."

5.6 Rock City Elementary School (RC)

Tetra Tech collected water samples from RC on December 12 and 13, 2016. A total of 23 sampling locations were identified and sampled. Of the 23 locations, 9 pre-flush samples contained concentrations of lead exceeding the CDWQG MAC of 10 mg/L (RC#6, #7, #8, #9, #11, #13, #14, #15 and #23). The remaining sample locations were all below the MAC for lead for their 0 second samples. All subsequent 30 second samples analyzed were below the MAC for lead.

Sampling locations are shown on Figure 6. Laboratory testing results for RC are summarized in the attached table, "Report for Testing Lead Content in Drinking Water of School Facilities."

5.7 Pleasant Valley Elementary School (PV)

Tetra Tech collected water samples from PV on December 12; and January 9 and 16 2017. A total of 20 sampling locations were identified and sampled. Of the 20 locations, 7 pre-flush samples contained concentrations of lead exceeding the CDWQG MAC of 10 mg/L (PV#2, #4, #6, #7, #8, #9 and #11).

Sample point PV#7 (drinking fountain with a sink located in classroom 203) continued to have lead concentrations above the MAC for its 30 second flush sample (0.0104 mg/L) however concentrations were below the MAC by the 2 minute and 5 minute flush samples (0.006 and 0.004 mg/L respectively). The remaining sample locations were all below the MAC for lead for their 0 second samples or subsequent 30 second samples analyzed.

Sampling locations are shown on Figure 7. Laboratory testing results for PV are summarized in the attached table, "Report for Testing Lead Content in Drinking Water of School Facilities."

5.8 Ladysmith Intermediate School (LIS)

Tetra Tech collected water samples from LIS on December 19 and January 16, 2017. A total of 20 sampling locations were identified and sampled. Of the 20 locations, 13 pre-flush samples contained concentrations of lead exceeding the CDWQG MAC of 10 mg/L (LIS#2, #3, #7, #10, #12, #13, #14, #15, #16, #17, #18, #19 and #20).

- Sample point LIS#2 (kitchen sink in staff room 104) continued to have lead concentrations above the MAC for its 30 second and 2 minute flush samples (0.050 and 0.016 mg/L respectively) however concentrations were below the MAC by the 5 minute flush sample (0.007 mg/L).
- Sample point LIS#15 (Drinking fountain within a sink in room 123) continued to have lead concentrations above the MAC for its 30 second sample (0.018 mg/L) however concentrations were below the MAC by the 2 minute flush sample (0.009 mg/L).

- Sample point LIS#17 (Drinking fountain within a sink in room 202) continued to have lead concentrations above the MAC for its 30 second sample (0.012 mg/L) however concentrations were below the MAC by the 2 minute flush sample (0.005 mg/L).
- Sample point LIS#18 (Drinking fountain within a sink in room 201) continued to have lead concentrations above the MAC for its 30 second sample (0.012 mg/L) however concentrations were below the MAC by the 2 minute flush sample (0.005 mg/L).

The remaining sample locations were all below the MAC for lead for their 0 second samples or subsequent 30 second samples analyzed.

Sampling locations are shown on Figure 8. Laboratory testing results for LIS are summarized in the attached table, "Report for Testing Lead Content in Drinking Water of School Facilities."

5.9 Ladysmith Primary School (LPS)

Tetra Tech collected water samples from LPS on December 19 and January 16, 2017. A total of 18 sampling locations were identified and sampled. Of the 18 locations, 10 pre-flush samples contained concentrations of lead exceeding the CDWQG MAC of 10 mg/L (LPS#4, #6, #7, #9, #11, #13, #14, #15, #16 and #18).

- Sample point LPS#11 (Sink in Library 114 office) continued to have lead concentrations above the MAC for its 30 second sample (0.012 mg/L) however concentrations were below the MAC by the 2 minute flush sample (0.007 mg/L).
- Sample point LPS#15 (Drinking fountain within a sink in room 108) continued to have lead concentrations above the MAC for its 30 second sample (0.011 mg/L) however concentrations were below the MAC by the 2 minute flush sample (0.003mg/L).

The remaining sample locations were all below the MAC for lead for their 0 second samples or subsequent 30 second samples analyzed.

Sampling locations are shown on Figure 9. Laboratory testing results for LPS are summarized in the attached table, "Report for Testing Lead Content in Drinking Water of School Facilities."

5.10 Cheeky Monkey Daycare (CMD)

Tetra Tech collected water samples from CMD on December 19, 2016. A total of 4 sampling locations were identified and sampled. Of the 4 locations, 3 pre-flush samples contained concentrations of lead exceeding the CDWQG MAC of 10 mg/L (CMD#2, #3 and #4). The remaining sample location was below the MAC for lead for its 0 second sample. All subsequent 30 second samples analyzed were below the MAC for lead.

Sampling locations are shown on Figure 10. Laboratory testing results for CMD are summarized in the attached table, "Report for Testing Lead Content in Drinking Water of School Facilities."

5.11 North Oyster Elementary School (NOES)

Tetra Tech collected water samples from NOES on December 19, 2016. A total of 20 sampling locations were identified and sampled. Of the 20 locations, 17 pre-flush samples contained concentrations of lead exceeding the CDWQG MAC of 10 mg/L (NOES#1 through #5, #7 through #15 and #17 through #19). The remaining sample locations were all below the MAC for lead for their 0 second samples. All subsequent 30 second samples analyzed were below the MAC for lead.

Sampling locations are shown on Figure 11. Laboratory testing results for NOES are summarized in the attached table, "Report for Testing Lead Content in Drinking Water of School Facilities."

5.12 John Barsby Community School (JB)

Tetra Tech collected water samples from JB on January 2 and 23, 2017. A total of 35 sampling locations were identified and sampled. Of the 35 locations, 15 pre-flush samples contained concentrations of lead exceeding the CDWQG MAC of 10 mg/L (JB#6, #7, #8, #9, #11, #13, #14, #15, #16, #20, #22, #26, #27, #32, and #35).

- Sample point JB#7 (sink in room 138, west wall closest to entrance) continued to have lead concentrations above the MAC for its 30 second sample (0.027 mg/L) however concentrations were below the MAC by the 2 minute flush sample (0.008 mg/L).
- Sample point JB#8 (sink in room 121, north wall) continued to have lead concentrations above the MAC for its 30 second sample (0.035 mg/L), 2 minute sample (0.018 mg/L) and 5 minute flush sample (0.014 mg/L).
- Sample point JB#9 (sink in room 123, east wall, adjacent to entrance) continued to have lead concentrations above the MAC for its 30 second sample (0.014 mg/L) and 2 minute flush sample (0.011 mg/L) however concentrations had just dropped below the MAC by the 5 minute flush sample (0.0096 mg/L). Lead concentrations consistently trended downwards throughout flushing.
- Sample point JB#11 (sink in room 117, east wall, north most sink) continued to have lead concentrations above the MAC for its 30 second sample (0.074 mg/L) and 2 minute flush sample (0.031 mg/L) however concentrations were below the MAC by the 5 minute flush sample (0.008 mg/L).
- Sample point JB#13 (drinking fountain across from room 219) continued to have lead concentrations above the MAC for its 30 second sample (0.016 mg/L) however concentrations were below the MAC by the 2 minute flush sample (0.006 mg/L).
- Sample point JB#14 (eyewash station room 236) continued to have lead concentrations above the MAC for its 30 second sample (0.037 mg/L), 2 minute sample (0.027 mg/L) and 5 minute flush sample (0.082 mg/L). Tetra Tech notes that the lead concentration was trending down through the 0 second, 30 second and 2 minute samples; however the concentration spikes up in the 5 minute sample, which does not follow the expected trend. Tetra Tech requested Maxxam re-analyze the sample which resulted in the elevated lead concentration being confirmed.
- Sample point JB#16 (eyewash station room 221) continued to have lead concentrations above the MAC for its 30 second sample (0.011 mg/L) however concentrations were below the MAC by the 2 minute flush sample (0.007 mg/L).

The remaining sample locations were all below the MAC for lead for their 0 second samples or subsequent 30 second samples analyzed.

Sampling locations are shown on Figure 12. Laboratory testing results for JB are summarized in the attached table, "Report for Testing Lead Content in Drinking Water of School Facilities."

5.13 Fairview Community School (FCS)

Tetra Tech collected water samples from FCS on January 2 and 28, 2017. A total of 28 sampling locations were identified and sampled. Of the 28 locations, 18 pre-flush samples contained concentrations of lead exceeding the CDWQG MAC of 10 mg/L (FCS#2, through #7, #9, #13, #14, #16, #17, #18 and #23 through #28).

- Sample point FCS#3 (drinking fountain in sink, classroom 139) continued to have lead concentrations above the MAC for its 30 second sample (0.019 mg/L) however concentrations were below the MAC by the 2 minute flush sample (0.005 mg/L).

The remaining sample locations were all below the MAC for lead for their 0 second samples or subsequent 30 second samples analyzed.

Sampling locations are shown on Figure 13. Laboratory testing results for FCS are summarized in the attached table, "Report for Testing Lead Content in Drinking Water of School Facilities."

5.14 Hammond Bay Elementary (HB)

Tetra Tech collected water samples from HB on January 23, 2017. A total of 22 sampling locations were identified and sampled. Of the 22 locations, 7 pre-flush samples contained concentrations of lead exceeding the CDWQG MAC of 10 mg/L (HB#12, #13, #14, #16, #18, #19 and #20). The remaining sample locations were all below the MAC for lead for their 0 second samples. All subsequent 30 second samples analyzed were below the MAC for lead.

Sampling locations are shown on Figure 14. Laboratory testing results for HB are summarized in the attached table, "Report for Testing Lead Content in Drinking Water of School Facilities."

6.0 DISCUSSION AND RECOMMENDATIONS

Tetra Tech's sampling program was based upon guidance from the Ministry of Health, found in the document *Guidance on Controlling Corrosion in Drinking Water Distribution Systems* (2009). The rationale is that for each sampling point, if the pre-flush (0 second) sample (Tier 1) contained elevated lead concentrations it would indicate that either the faucet and fittings or the piping immediately behind the faucet would likely be the source of lead. If a subsequent 30 second flush sample (Tier 2) contained elevated lead concentrations, the source would likely be the piping; whereas low lead concentrations would indicate that the source was likely the faucet and fittings. Finally, a 5 minute flush sample should be drawing water directly from the water supply piping within the building and would indicate if flushing is feasible for lowering the lead concentration in water within the building.

The Health Canada guidance recommend that Tier 2 sampling (30 second samples) take place when Tier 1 sampling identifies more than 10% of sites with lead concentrations above the MAC, and then only at the 10% of sampling sites with the highest lead concentration. Tetra Tech ran every 30 second sample which had a 0 second sample above the MAC to show that flushing was adequate to lower the lead concentration in the drinking water at each point of concern. For each facility with 0 second samples above the MAC, at least 10% of the 30 second samples was analyzed; therefore piping in the schools has been adequately addressed.

Tetra Tech additionally collected 2 minute flush samples at the request of SD 68. The purpose of the 2 minute flush samples was to determine if compliance with SD 68's current signage at drinking water points, which instructs individuals using the faucets to flush for 2 minute at the start of each day, is sufficient for reducing lead concentrations below the CDWQG MAC.

For every facility, Tetra Tech collected a 5 minute flush sample from the closest accessible sampling point to where SD 68 indicated the water supply entered the building. This sample was to check the lead concentrations in the supply water entering the building. An elevated lead concentration in the supply water could indicate a lead source in the water supply or the supply line from the municipal water main to the facility. All of the water supply samples collected by Tetra Tech from this location at each facility, contained concentrations of lead below the CDWQG MAC; indicating that lead sources in the supply water to the facilities is not a concern.

The guidance from the Ministry of Health recommended that samples be collected after the sampling points had been stagnant for a minimum of 8 hours but not longer than 24 hours in order to simulate the worst case daily scenario for lead in drinking water consumption. Based on guidance from VIHA, SD 68 directed Tetra Tech to collect samples Monday mornings prior to any staff or students arriving at the facilities in order to simulate a worst-case scenario for stagnant water. As such, lead concentrations reported represent what could be expected following a weekend and would likely be lower on subsequent weekday mornings.

Tetra Tech notes that every SD 68 facility tested had pre-flush samples with lead concentrations above the CDWQG MAC; and consequently every facility tested will require a mitigation strategy in place. Tetra Tech therefore recommends that SD 68 continue with its ongoing procedure of conducting a 2 minute flush at each drinking water consumption point each morning; and running the tap/faucet until cold prior to consuming water at every facility tested. Tetra Tech noted signage at most drinking water consumption points stating “Water Quality – First thing in the morning... Run the water for two minutes before drinking. Throughout the day... Let the water run until it is cold before drinking.” Except where discussed below, this procedure is sufficient to reduce the lead concentration in the drinking water below the CDWQG MAC.

Tetra Tech recommends that each facility assessed be inspected to ensure that the above noted signage is present and in good condition at each point where drinking water could be consumed. Tetra Tech further recommends that a bulletin be provided to staff at each facility summarizing the drinking water quality results at their facility and reminding them of the above procedure. Staff should then instruct students and visitors in the drinking water procedure.

The following sections provides Tetra Tech’s recommendations for each facility:

6.1 Nanaimo District Secondary School (NDSS)

One sample, NDSS#35 (sink in prep room 222A) exceed the MAC for lead for the 0 second (0.397 mg/L), the 30 second (0.029 mg/L) and 5 minute (0.013 mg/L) flush samples. The lead concentration drops dramatically following the pre-flush sample, suggesting that the lead source is the faucet. Tetra Tech recommends replacing the faucet and re-sampling. Should subsequent samples continue to have elevated lead concentrations, installing a filtration device or removing the faucet from service might be necessary.

The remaining sample locations were all below the MAC for lead for their 0 second or 30 second samples. Tetra Tech therefore recommends that SD 68 continue with its ongoing routine of conducting a 2 minute flush each morning and running until cold prior to consuming water.

6.2 District Administration Centre (DAC)

The sample locations checked at the DAC were all below the MAC for lead for their 0 second or 30 second samples. Tetra Tech therefore recommends that SD 68 continue with its ongoing routine of conducting a 2 minute flush each morning and running until cold prior to consuming water.

6.3 Rotary Bowl Change House (RBCH)

The sample locations checked at the RBCH were all below the MAC for lead for their 0 second or 30 second samples. Tetra Tech therefore recommends that SD 68 continue with its ongoing routine of conducting a 2 minute flush each morning and running until cold prior to consuming water.

Tetra Tech notes that the pre-flush sample from RBCH#2 (drinking fountain within a sink in the girls change room) had a lead concentration 10 times greater than the MAC (0.101 mg/L). While flushing is adequate to lower the lead concentration; this faucet is likely a significant lead source and should be replaced and re-tested.

6.4 Bayview Elementary School (BV)

The sample locations checked at BV were all below the MAC for lead for their 0 second or 30 second samples. Tetra Tech therefore recommends that SD 68 continue with its ongoing routine of conducting a 2 minute flush each morning and running until cold prior to consuming water.

6.5 Chase River Elementary School (CR)

The sample locations checked at CR were all below the MAC for lead for their 0 second or 30 second samples. Tetra Tech therefore recommends that SD 68 continue with its ongoing routine of conducting a 2 minute flush each morning and running until cold prior to consuming water.

Tetra Tech notes that the pre-flush sample from CR#2 (drinking fountain outside the copy room) had a lead concentration 10 times greater than the MAC (0.184 mg/L). While flushing is adequate to lower the lead concentration; this fountain is likely a significant lead source and should be replaced and re-tested.

6.6 Rock City Elementary School (RC)

The sample locations checked at RC were all below the MAC for lead for their 0 second or 30 second samples. Tetra Tech therefore recommends that SD 68 continue with its ongoing routine of conducting a 2 minute flush each morning and running until cold prior to consuming water.

6.7 Pleasant Valley Elementary School (PV)

Sample point PV#7 (drinking fountain with a sink located in classroom 203) had lead concentrations above the MAC for its 0 second flush sample (0.0124 mg/L) and 30 second flush sample (0.0104 mg/L), however concentrations were below the MAC by the 2 minute and 5 minute flush samples (0.006 and 0.004 mg/L respectively). The remaining sample locations were all below the MAC for lead for their 0 second samples or subsequent 30 second samples analyzed.

Tetra Tech therefore recommends that SD 68 continue with its ongoing routine of conducting a 2 minute flush each morning and running until cold prior to consuming water.

6.8 Ladysmith Intermediate School (LIS)

Sample point LIS#2 (kitchen sink in staff room 104) had lead concentrations of 0.0241 mg/L at 0 seconds, 0.0502 at 30 seconds, 0.0156 mg/L at 2 minutes and 0.00704 mg/L at 5 minutes. The increase in the lead concentration from the 0 second to the 30 second samples suggests that the piping behind the sink may be the source of lead. By flushing the system, it is possible to lower the lead concentration below the CDWQG MAC; however a 2 minute flush is not sufficient. Tetra Tech recommends an initial step of replacing the faucet and any easily accessible piping and re-testing. Should lead concentrations still be elevated, the installation of a filter may be the most cost effective method of removing lead at this location.

Sample point LIS#15, #17 and #18 had lead concentrations above the MAC for their 30 second samples however concentrations were below the MAC by the 2 minute flush sample. The remaining sample locations were all below the MAC for lead for their 0 second samples or subsequent 30 second samples analyzed.

Tetra Tech therefore recommends that SD 68 continue with its ongoing routine of conducting a 2 minute flush each morning and running until cold prior to consuming water.

Tetra Tech notes that the pre-flush sample from LIS#15 (drinking fountain inside sink in classroom 123) had a lead concentration 30 times greater than the MAC (0.330 mg/L). While flushing is adequate to lower the lead concentration; this fountain is likely a significant lead source and the faucet should be replaced and re-tested.

6.9 Ladysmith Primary School (LPS)

Sample point LPS#11 and #15 continued to have lead concentrations above the MAC for their 30 second samples however concentrations were all below the MAC by the 2 minute flush sample. The remaining sample locations were all below the MAC for lead for their 0 second samples or subsequent 30 second samples analyzed.

Tetra Tech therefore recommends that SD 68 continue with its ongoing routine of conducting a 2 minute flush each morning and running until cold prior to consuming water.

Tetra Tech notes that the pre-flush sample from LPS#11 (sink in Library 114 office) had a lead concentration 10 times greater than the MAC (0.125 mg/L). Tetra Tech infers that this sink may not be utilized frequently, thus the stagnant time upon sampling was most likely substantially greater than 48 hours. Flushing is adequate to lower the lead concentration at the sink; however this sink is potentially a significant lead source. Tetra Tech therefore recommends further investigation take place (questioning individuals knowledgeable about the sink use to determine how frequently it is used, and/or running the sink for 5 minutes Friday afternoon prior to re-sampling Monday morning) prior to concluding if it should be replaced and re-tested.

6.10 Cheeky Monkey Daycare (CMD)

The sample locations checked at CMD were all below the MAC for lead for their 0 second or 30 second samples. Tetra Tech therefore recommends that SD 68 continue with its ongoing routine of conducting a 2 minute flush each morning and running until cold prior to consuming water. Tetra Tech did not observe any signage while inspecting the facility.

6.11 North Oyster Elementary School (NOES)

The sample locations checked at NOES were all below the MAC for lead for their 0 second or 30 second samples. Tetra Tech therefore recommends that SD 68 continue with its ongoing routine of conducting a 2 minute flush each morning and running until cold prior to consuming water.

6.12 John Barsby Community School (JB)

The sampling results and recommendations for JB are shown in the following table:

Sample	0 second sample	30 second sample	2 minute sample	5 minute sample	Recommendation/Discussion
JB#7 sink in room 138, west wall closest to entrance	>14x MAC for lead	>MAC for lead	<MAC for lead	N/A	Laboratory sink, signage indicating water not for human consumption.
JB#8 sink in room 121, north wall	>81x MAC for lead	>MAC for lead	>MAC for lead	>MAC for lead	Laboratory sink, signage indicating water not for human consumption.
JB#9 sink in room 123, east wall, adjacent to entrance	>27x MAC for lead	>MAC for lead	>MAC for lead	<MAC for lead	Laboratory sink, signage indicating water not for human consumption.

Sample	0 second sample	30 second sample	2 minute sample	5 minute sample	Recommendation/Discussion
JB#11 sink in room 117, east wall, north most sink	>10x MAC for lead	>MAC for lead	>MAC for lead	<MAC for lead	Laboratory sink, signage indicating water not for human consumption.
JB#13 drinking fountain across from room 219	>MAC for lead	>MAC for lead	<MAC for lead	N/A	2 minute flush routine each morning and running until cold prior to consuming water.
JB#14 eyewash station room 236	>19x MAC for lead	>MAC for lead	>MAC for lead	>MAC for lead	Laboratory sink, signage indicating water not for human consumption. Tetra Tech notes that the lead concentration in the 5 minute sample was greater than the 30 second and 2 minute samples. This could be the result of a slug of water within the distribution system with a high concentration of lead flushing at 5 minutes (indicating that water was not yet being drawn directly from the water main and a problem further up in the distribution system); or a onetime release of lead resulting from flushing/agitating a potentially long time stagnant piping system. Tetra Tech suspects that re-testing following flushing the entire laboratory water distribution system would no longer result in a spike in lead concentrations.
JB#16 eyewash station room 221	>MAC for lead	>MAC for lead	<MAC for lead	N/A	Laboratory sink, signage indicating water not for human consumption.

All sampling locations where the 0 second samples lead concentration were greater than 10 times the CDWQG MAC, and all locations where 2 and 5 minute flushing did not result in lowering the lead concentration below the MAC, occurred in laboratory or laboratory prep room sinks in the north end of the west wing of JB. Each lab had numerous sinks; Tetra Tech selected one sink per lab to act as a representative sample for the entire lab.

These sampling locations are likely run infrequently and are at the terminus of the water distribution system within the west wing of the building. It is likely that the elevated lead concentrations are the result of the piping in the north end of the west wing not being flushed on a regular basis.

Tetra Tech observed signage indicating no food or drink within the labs sampled. The replacement of the supply and distribution water lines to the laboratories is likely impractical; therefore, Tetra Tech recommends that one of following two solutions be implemented:

1. The sinks and lines to the laboratories identified be flushed and re-tested, then flushed on a regular schedule (as determined by further testing); or

2. Placing signage at each laboratory sink stating that the water is not fit for human consumption and a bulletin be provided to staff summarizing the drinking water quality results and instructing them that the sinks are not fit for human consumption of water. Staff should then instruct students and visitors in the drinking water procedure.

The remaining sample locations within JB were all below the MAC for lead for their 0 second samples or subsequent 30 second samples analyzed. Tetra Tech therefore recommends that SD 68 continue with its ongoing routine of conducting a 2 minute flush each morning and running until cold prior to consuming water.

6.13 Fairview Community School (FCS)

Sample point FCS#3 (drinking fountain in sink, classroom 139) had lead concentrations above the MAC for its 0 second (0.071 mg/L) and 30 second sample (0.019 mg/L) however concentrations were below the MAC by the 2 minute flush sample (0.005 mg/L). The remaining sample locations were all below the MAC for lead for their 0 second samples or subsequent 30 second samples analyzed.

Tetra Tech therefore recommends that SD 68 continue with its ongoing routine of conducting a 2 minute flush each morning and running until cold prior to consuming water.

6.14 Hammond Bay Elementary (HB)

The sample locations checked at HB were all below the MAC for lead for their 0 second or 30 second samples. Tetra Tech therefore recommends that SD 68 continue with its ongoing routine of conducting a 2 minute flush each morning and running until cold prior to consuming water.

7.0 SUMMARY AND CONCLUSIONS

The overall results of the Domestic Water Testing Inventory are summarized in the section below.

Tetra Tech notes that every SD 68 facility tested had pre-flush samples with lead concentrations above the CDWQG MAC; and consequently every facility tested will require a mitigation strategy in place. Tetra Tech recommends that SD 68 continue with its ongoing procedure of conducting a 2 minute flush at each drinking water consumption point each morning; and running taps/faucets until cold prior to consuming water. Tetra Tech noted signage at most drinking water consumption points stating “Water Quality – First thing in the morning... Run the water for two minutes before drinking. Throughout the day... Let the water run until it is cold before drinking.” Except where noted below, this procedure is sufficient to reduce the lead concentration in the drinking water below the CDWQG MAC.

Tetra Tech recommends that each facility assessed be inspected to ensure that the above noted signage is present and in good condition at each point where drinking water could be consumed. Tetra Tech further recommends that a bulletin be provided to staff at each facility summarizing the drinking water quality results at their facility and reminding them of the above procedure. Staff should then instruct students and visitors in the drinking water procedure.

The Domestic Water Testing Inventory results and additional recommendations are summarized in the following table:

Facility	Analytical Results				Recommendations
	0 Second Samples	30 Second Samples	2 Minute Samples	5 Minute Samples	
Nanaimo District Secondary School	>CDWQG for 6 of 39 sampling points	>CDWQG for 1 sampling point	none collected	>CDWQG for 1 sampling point	<ul style="list-style-type: none"> Replace faucet in prep room 222A and re-test.
District Administration Centre	>CDWQG for 1 of 5 sampling points	<CDWQG	none collected	none collected	<ul style="list-style-type: none"> No additional action required beyond recommendation for "All Facilities Tested".
Rotary Bowl Change House	>CDWQG for 3 of 5 sampling points	<CDWQG	none collected	none collected	<ul style="list-style-type: none"> Replace the drinking fountain faucet within a sink in the girls change room and re-test.
Bayview Elementary School	>CDWQG for 3 of 15 sampling points	<CDWQG	none collected	none collected	<ul style="list-style-type: none"> No additional action required beyond recommendation for "All Facilities Tested".
Chase River Elementary School	>CDWQG for 5 of 14 sampling points	<CDWQG	none collected	none collected	<ul style="list-style-type: none"> Replace the drinking fountain faucet outside the copy room and re-test.
Rock City Elementary School	>CDWQG for 9 of 23 sampling points	<CDWQG	none collected	none collected	<ul style="list-style-type: none"> No additional action required beyond recommendation for "All Facilities Tested".
Pleasant Valley Elementary School	>CDWQG for 7 of 20 sampling points	>CDWQG for 1 sampling point	<CDWQG	none tested	<ul style="list-style-type: none"> No additional action required beyond recommendation for "All Facilities Tested".
Ladysmith Intermediate School	>CDWQG for 13 of 20 sampling points	>CDWQG for 7 sampling points	>CDWQG for 1 sampling point	<CDWQG	<ul style="list-style-type: none"> Replace kitchen sink in staff room 104 and any easily accessible piping behind the sink and re-test. Installation of a filter may be necessary. Replace the drinking fountain faucet inside sink in classroom 123 and re-test.
Ladysmith Primary School	>CDWQG for 10 of 18 sampling points	>CDWQG	<CDWQG	none tested	<ul style="list-style-type: none"> Further investigation of the sink in Library 114 office, including confirming frequency of use, flushing and re-testing.
Cheeky Monkey Daycare	>CDWQG for 3 of 4 sampling points	<CDWQG	none collected	none collected	<ul style="list-style-type: none"> No additional action required beyond recommendation for "All Facilities Tested".
North Oyster Elementary School	>CDWQG for 16 of 20 sampling points	<CDWQG	<CDWQG	<CDWQG	<ul style="list-style-type: none"> No additional action required beyond recommendation for "All Facilities Tested".

Facility	Analytical Results				Recommendations
	0 Second Samples	30 Second Samples	2 Minute Samples	5 Minute Samples	
John Barsby Community School	>CDWQG for 15 of 35 sampling points	>CDWQG for 5 sampling points	>CDWQG for 4 sampling points	>CDWQG for 2 sampling points	<ul style="list-style-type: none"> ▪ Adopt one of two recommendations to address elevated lead concentrations in Laboratory classrooms 117, 136, 121, 123, 236, 221 and 225: <ul style="list-style-type: none"> – The sinks and lines to the laboratories identified be flushed and re-tested, then flushed on a regular schedule (as determined by further testing); or – Placing signage at each laboratory sink stating that the water is not fit for human consumption and that appropriate steps are taken to ensure the education and compliance of staff and students.
Fairview Community School	>CDWQG for 18 of 28 sampling points	>CDWQG for 1 sampling point	<CDWQG	<CDWQG	<ul style="list-style-type: none"> ▪ No additional action required beyond recommendation for “All Facilities Tested”.
Hammond Bay Elementary School	>CDWQG for 7 of 22 sampling points	<CDWQG	<CDWQG	<CDWQG	<ul style="list-style-type: none"> ▪ No additional action required beyond recommendation for “All Facilities Tested”.

>CDWQG – Greater than the Canadian Drinking Water Quality Guidelines Maximum Acceptable Concentration for lead for one or more samples.

<CDWQG – Less than the Canadian Drinking Water Quality Guidelines Maximum Acceptable Concentration for lead for all samples.

8.0 CLOSURE

This report has been prepared based on the scope of work and for the use of School District 68, which includes distribution as required for the purposes for which this assessment was commissioned. The assessment has been carried out in accordance with generally accepted engineering practice. No other warranty is made, either express or implied. Professional judgment has been applied in developing the recommendations in this report.

This report was prepared by personnel with professional experience in investigations of this nature and who specifically conducted the investigations at this Site. Reference should be made to the 'Geoenvironmental Report – General Conditions' attached in Appendix A that forms a part of this report.

We trust this report meets your present requirements. If you have any questions or comments, please contact the undersigned.

Respectfully submitted,
Tetra Tech Inc.



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/dr

Attachments: Table 1 - Report for Testing Lead Content in Drinking Water of School Facilities
Figures 1 through 14
Appendix A – Tetra Tech's General Conditions
Appendix B – Laboratory Certificates

TABLE

Table 1 Report for Testing Lead Content in Drinking Water of School Facilities



REPORT FOR TESTING LEAD CONTENT IN DRINKING WATER OF SCHOOL FACILITIES

School District Information	
SD No.	68
SD Name	Nanaimo Ladysmith
SD Contact Name:	Brad Stacey
SD Contact Phone:	250 741-5336
Report Date	

Health Authority (HA) Information	
Region	
Contact Name	
Contact Phone	
Report submitted to HA	
Report submission date	

School Name	School Age	Testing Required	If no, describe why	Date of Test (mm/yyyy)	Total Samples	Water Fixture Type	Room Location	Lead Level Result (mg/L)	Exceed Maximum Acceptable Concentrations	Mitigation Strategy Description	Describe Public Communication Plan	Comments	Next scheduled date of testing (mm/yyyy)
Bayview Elementary School	1949	Yes		Dec-16	20	Kitchen Sink	Staff 100	0.002	No			Field ID: BV#1 @ 05	Dec-17
Bayview Elementary School	1949	Yes		Dec-16	20	Fountain in Sink	Room 101	0.010	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: BV#2 @ 05	Dec-17
Bayview Elementary School	1949	Yes		Dec-16	20	Fountain in Sink	Room 101	0.001	No			Field ID: BV#2 @ 30S	Dec-17
Bayview Elementary School	1949	Yes		Dec-16	20	Fountain in Sink	Room 103	0.004	No			Field ID: BV#3 @ 05	Dec-17
Bayview Elementary School	1949	Yes		Dec-16	20	Fountain in Sink	Room 105	0.006	No			Field ID: BV#4 @ 05	Dec-17
Bayview Elementary School	1949	Yes		Dec-16	20	Fountain in Sink	Room 107	0.007	No			Field ID: BV#5 @ 05	Dec-17
Bayview Elementary School	1949	Yes		Dec-16	20	Fountain in Sink	Room 109	0.012	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: BV#6 @ 05	Dec-17
Bayview Elementary School	1949	Yes		Dec-16	20	Fountain in Sink	Room 109	0.000	No			Field ID: BV#6 @ 30S	Dec-17
Bayview Elementary School	1950	Yes		Dec-16	20	Fountain in Sink	Room 111	0.003	No			Field ID: BV#7 @ 05	Dec-17
Bayview Elementary School	1950	Yes		Dec-16	20	Fountain in Sink	Room 108	0.003	No			Field ID: BV#8 @ 05	Dec-17
Bayview Elementary School	1949	Yes		Dec-16	20	Fountain in Sink	Room 106	0.003	No			Field ID: BV#9 @ 05	Dec-17
Bayview Elementary School	1949	Yes		Dec-16	20	Fountain in Sink	Room 104	0.006	No			Field ID: BV#10 @ 05	Dec-17
Bayview Elementary School	1949	Yes		Dec-16	20	Fountain in Sink	Room 102	0.008	No			Field ID: BV#11 @ 05	Dec-17
Bayview Elementary School	1949	Yes		Dec-16	20	Fountain in Sink	Room 102	0.000	No			Field ID: BV#11 @ 5MIN, Water main check sample	Dec-17
Bayview Elementary School	1978	Yes		Dec-16	20	Fountain in Sink	Room 094	0.021	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: BV#12 @ 05	Dec-17
Bayview Elementary School	1978	Yes		Dec-16	20	Fountain in Sink	Room 094	0.003	No			Field ID: BV#12 @ 30S	Dec-17
Bayview Elementary School	1978	Yes		Dec-16	20	Fountain in Sink	Room 092	0.009	No			Field ID: BV#13 @ 05	Dec-17
Bayview Elementary School	1978	Yes		Dec-16	20	Fountain in Sink	Room 092	0.002	No			Field ID: BV#13 @ 30S	Dec-17
Bayview Elementary School	1995	Yes		Dec-16	20	Sink	Room 091	0.002	No			Field ID: BV#14 @ 05	Dec-17
Bayview Elementary School	1995	Yes		Dec-16	20	Drinking Fountain	Outside Gym	0.007	No			Field ID: BV#15 @ 05	Dec-17
Cheeky Monkey Daycare	1959	Yes		Dec-16	8	Sink	Reception	0.005	No			Field ID: CMD#1 @ 05	Dec-17
Cheeky Monkey Daycare	1959	Yes		Dec-16	8	Sink	Reception	0.001	No			Field ID: CMD#1 @ 5MIN, water main check sample	Dec-17
Cheeky Monkey Daycare	1959	Yes		Dec-16	8	Sink	Female WC	0.027	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: CMD#2 @ 05	Dec-17
Cheeky Monkey Daycare	1959	Yes		Dec-16	8	Sink	Female WC	0.003	No			Field ID: CMD#2 @ 30S	Dec-17
Cheeky Monkey Daycare	1959	Yes		Dec-16	8	Sink	Male WC	0.011	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: CMD#3 @ 05	Dec-17
Cheeky Monkey Daycare	1959	Yes		Dec-16	8	Sink	Male WC	0.002	No			Field ID: CMD#3 @ 30S	Dec-17
Cheeky Monkey Daycare	1959	Yes		Dec-16	8	Sink	Office adj to room 1	0.033	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: CMD#4 @ 05	Dec-17
Cheeky Monkey Daycare	1959	Yes		Dec-16	8	Sink	Office adj to room 1	0.004	No			Field ID: CMD#4 @ 30S	Dec-17
Chase River Elementary	1971	Yes		Dec-16	20	Sink	Medical Room	0.003	No			Field ID: CR#1 @ 05	Dec-17
Chase River Elementary	1971	Yes		Dec-16	20	Drinking Fountain	Outside copy room	0.184	Yes	Replace drinking fountain and re-test.		Field ID: CR#2 @ 05	Dec-17
Chase River Elementary	1971	Yes		Dec-16	20	Drinking Fountain	Outside copy room	0.006	No			Field ID: CR#2 @ 30S	Dec-17
Chase River Elementary	1971	Yes		Dec-16	20	Drinking Fountain	Gym foyer	0.001	No			Field ID: CR#3 @ 05	Dec-17
Chase River Elementary	1976	Yes		Dec-16	20	Kitchen Sink	Gym Kitchen	0.027	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: CR#4 @ 05	Dec-17
Chase River Elementary	1976	Yes		Dec-16	20	Kitchen Sink	Gym Kitchen	0.003	No			Field ID: CR#4 @ 30S	Dec-17
Chase River Elementary	1976	Yes		Dec-16	20	Kitchen Sink	Staff Room	0.003	No			Field ID: CR#5 @ 05	Dec-17
Chase River Elementary	1976	Yes		Dec-16	20	Sink	Room 102	0.018	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: CR#6 @ 05	Dec-17
Chase River Elementary	1976	Yes		Dec-16	20	Sink	Room 102	0.001	No			Field ID: CR#6 @ 30S	Dec-17
Chase River Elementary	1950	Yes		Dec-16	20	Sink	Staff Female WC	0.001	No			Field ID: CR#7 @ 5MIN, water main check sample	Dec-17
Chase River Elementary	1958	Yes		Dec-16	20	Fountain in Sink	Room 101	0.010	No			Field ID: CR#8 @ 05	Dec-17
Chase River Elementary	1958	Yes		Dec-16	20	Fountain in Sink	Room 101	0.003	No			Field ID: CR#8 @ 30S	Dec-17
Chase River Elementary	1966	Yes		Dec-16	20	Fountain in Sink	Room 103	0.012	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: CR#9 @ 05	Dec-17
Chase River Elementary	1966	Yes		Dec-16	20	Fountain in Sink	Room 103	0.004	No			Field ID: CR#9 @ 30S	Dec-17
Chase River Elementary	1968	Yes		Dec-16	20	Fountain in Sink	Room 105	0.005	No			Field ID: CR#10 @ 05	Dec-17
Chase River Elementary	1971	Yes		Dec-16	20	Fountain in Sink	Room 114	0.008	No			Field ID: CR#11 @ 05	Dec-17
Chase River Elementary	1976	Yes		Dec-16	20	Fountain in Sink	Room 112	0.008	No			Field ID: CR#12 @ 05	Dec-17
Chase River Elementary	1971	Yes		Dec-16	20	Fountain in Sink	Room 110	0.007	No			Field ID: CR#13 @ 05	Dec-17



REPORT FOR TESTING LEAD CONTENT IN DRINKING WATER OF SCHOOL FACILITIES

School District Information	
SD No.	68
SD Name	Nanaimo Ladysmith
SD Contact Name:	Brad Stacey
SD Contact Phone:	250 741-5336
Report Date	

Health Authority (HA) Information	
Region	
Contact Name	
Contact Phone	
Report submitted to HA	
Report submission date	

School Name	School Age	Testing Required	If no, describe why	Date of Test (mm/yyyy)	Total Samples	Water Fixture Type	Room Location	Lead Level Result (mg/L)	Exceed Maximum Acceptable Concentrations	Mitigation Strategy Description	Describe Public Communication Plan	Comments	Next scheduled date of testing (mm/yyyy)
Chase River Elementary	1954	Yes		Dec-16	20	Fountain in Sink	Room 108	0.028	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: CR#14 @ 0S	Dec-17
Chase River Elementary	1954	Yes		Dec-16	20	Fountain in Sink	Room 108	0.002	No			Field ID: CR#14 @ 30S	Dec-17
District Administartion Centre	1965	Yes		Dec-16	7	Sink	Male WC adjacent to Room 109	0.015	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: DAC#1 @ 0S	Dec-17
District Administartion Centre	1965	Yes		Dec-16	7	Sink	Male WC adjacent to Room 109	0.002	No			Field ID: DAC#1 @ 30S	Dec-17
District Administartion Centre	1965	Yes		Dec-16	7	Sink	Male WC adjacent to Room 109	0.001	No			Field ID: DAC#1 @ 5MIN, water main check sample	Dec-17
District Administartion Centre	1965	Yes		Dec-16	7	Sink	Staff Room 117	0.006	No			Field ID: DAC#2 @ 0S	Dec-17
District Administartion Centre	1965	Yes		Dec-16	7	Sink	Copy Room IS2	0.002	No			Field ID: DAC#3 @ 0S	Dec-17
District Administartion Centre	1965	Yes		Dec-16	7	Sink	Board Room Atrium	0.005	No			Field ID: DAC#4 @ 0S	Dec-17
District Administartion Centre	1965	Yes		Dec-16	7	Sink	Conference Room "A"	0.004	No			Field ID: DAC#5 @ 0S	Dec-17
Fairview Community School	1996	Yes		Jan-17	49	Sink	Staff 131	0.002	No			Field ID: FCS#1 @ 0S	Jan-18
Fairview Community School	1964	Yes		Jan-17	49	Fountain in Sink	Health 131D	0.011	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: FCS#2 @ 0S	Jan-18
Fairview Community School	1964	Yes		Jan-17	49	Fountain in Sink	Health 131D	0.001	No			Field ID: FCS#2 @ 30S	Jan-18
Fairview Community School	1950	Yes		Jan-17	49	Fountain in Sink	Room 139	0.071	Yes			Field ID: FCS#3 @ 0S	Jan-18
Fairview Community School	1950	Yes		Jan-17	49	Fountain in Sink	Room 139	0.019	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: FCS#3 @ 30S	Jan-18
Fairview Community School	1950	Yes		Jan-17	49	Fountain in Sink	Room 139	0.005	No			Field ID: FCS#3 @ 2MIN	Jan-18
Fairview Community School	1950	Yes		Jan-17	49	Fountain in Sink	Room 141	0.014	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: FCS#4 @ 0S	Jan-18
Fairview Community School	1950	Yes		Jan-17	49	Fountain in Sink	Room 141	0.002	No			Field ID: FCS#4 @ 30S	Jan-18
Fairview Community School	1950	Yes		Jan-17	49	Fountain in Sink	Room 143	0.017	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: FCS#5 @ 0S	Jan-18
Fairview Community School	1950	Yes		Jan-17	49	Fountain in Sink	Room 143	0.003	No			Field ID: FCS#5 @ 30S	Jan-18
Fairview Community School	1964	Yes		Jan-17	49	Fountain in Sink	Room 145	0.011	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: FCS#6 @ 0S	Jan-18
Fairview Community School	1964	Yes		Jan-17	49	Fountain in Sink	Room 145	0.002	No			Field ID: FCS#6 @ 30S	Jan-18
Fairview Community School	1964	Yes		Jan-17	49	Fountain in Sink	Room 147	0.015	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: FCS#7 @ 0S	Jan-18
Fairview Community School	1964	Yes		Jan-17	49	Fountain in Sink	Room 147	0.003	No			Field ID: FCS#7 @ 30S	Jan-18
Fairview Community School	1964	Yes		Jan-17	49	Fountain in Sink	Room 150	0.010	No			Field ID: FCS#8 @ 0S	Jan-18
Fairview Community School	1964	Yes		Jan-17	49	Fountain in Sink	Room 150	0.001	No			Field ID: FCS#8 @ 30S	Jan-18
Fairview Community School	1964	Yes		Jan-17	49	Fountain in Sink	Room 148	0.022	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: FCS#9 @ 0S	Jan-18
Fairview Community School	1964	Yes		Jan-17	49	Fountain in Sink	Room 148	0.002	No			Field ID: FCS#9 @ 30S	Jan-18
Fairview Community School	1950	Yes		Jan-17	49	Fountain in Sink	Room 146	0.006	No			Field ID: FCS#10 @ 0S	Jan-18
Fairview Community School	1950	Yes		Jan-17	49	Utility Sink	Room 144	0.002	No			Field ID: FCS#11 @ 5MIN, water main check sample	Jan-18
Fairview Community School	1996	Yes		Jan-17	49	Kitchen Sink	Room 124, South single sink	0.001	No			Field ID: FCS#12 @ 0S	Jan-18
Fairview Community School	1966	Yes		Jan-17	49	Drinking Fountain	Gym Vestibule	0.010	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: FCS#13 @ 0S	Jan-18
Fairview Community School	1966	Yes		Jan-17	49	Drinking Fountain	Gym Vestibule	0.003	No			Field ID: FCS#13 @ 30S	Jan-18
Fairview Community School	1966	Yes		Jan-17	49	Sink	Gym Kitchen	0.081	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: FCS#14 @ 0S	Jan-18
Fairview Community School	1966	Yes		Jan-17	49	Sink	Gym Kitchen	0.007	No			Field ID: FCS#14 @ 30S	Jan-18
Fairview Community School	1966	Yes		Jan-17	49	Kitchen Sink	Room 116	0.004	No			Field ID: FCS#15 @ 0S	Jan-18
Fairview Community School	1966	Yes		Jan-17	49	Fountain in Sink	Room 110	0.021	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: FCS#16 @ 0S	Jan-18
Fairview Community School	1966	Yes		Jan-17	49	Fountain in Sink	Room 110	0.005	No			Field ID: FCS#16 @ 30S	Jan-18
Fairview Community School	1966	Yes		Jan-17	49	Fountain in Sink	Room 107	0.014	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: FCS#17 @ 0S	Jan-18



REPORT FOR TESTING LEAD CONTENT IN DRINKING WATER OF SCHOOL FACILITIES

School District Information	
SD No.	68
SD Name	Nanaimo Ladysmith
SD Contact Name:	Brad Stacey
SD Contact Phone:	250 741-5336
Report Date	

Health Authority (HA) Information	
Region	
Contact Name	
Contact Phone	
Report submitted to HA	
Report submission date	

School Name	School Age	Testing Required	If no, describe why	Date of Test (mm/yyyy)	Total Samples	Water Fixture Type	Room Location	Lead Level Result (mg/L)	Exceed Maximum Acceptable Concentrations	Mitigation Strategy Description	Describe Public Communication Plan	Comments	Next scheduled date of testing (mm/yyyy)
Fairview Community School	1966	Yes		Jan-17	49	Fountain in Sink	Room 107	0.001	No			Field ID: FCS#17 @ 30S	Jan-18
Fairview Community School	1966	Yes		Jan-17	49	Fountain in Sink	Room 105	0.033	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: FCS#18 @ 0S	Jan-18
Fairview Community School	1966	Yes		Jan-17	49	Fountain in Sink	Room 105	0.006	No			Field ID: FCS#18 @ 30S	Jan-18
Fairview Community School	1966	Yes		Jan-17	49	Fountain in Sink	Room 108	0.002	No			Field ID: FCS#19 @ 0S	Jan-18
Fairview Community School	1968	Yes		Jan-17	49	Kitchen Sink	Kitchen btwn 102 & 108	0.003	No			Field ID: FCS#20 @ 0S	Jan-18
Fairview Community School	1968	Yes		Jan-17	49	Fountain in Sink	Room 102	0.004	No			Field ID: FCS#21 @ 0S	Jan-18
Fairview Community School	1968	Yes		Jan-17	49	Fountain in Sink	Room 103	0.009	No			Field ID: FCS#22 @ 0S	Jan-18
Fairview Community School	1968	Yes		Jan-17	49	Fountain in Sink	Room 103	0.006	No			Field ID: FCS#22 @ 30S	Jan-18
Fairview Community School	1968	Yes		Jan-17	49	Fountain in Sink	Room 201	0.013	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: FCS#23 @ 0S	Jan-18
Fairview Community School	1968	Yes		Jan-17	49	Fountain in Sink	Room 201	0.004	No			Field ID: FCS#23 @ 30S	Jan-18
Fairview Community School	1968	Yes		Jan-17	49	Fountain in Sink	Room 202	0.014	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: FCS#24 @ 0S	Jan-18
Fairview Community School	1968	Yes		Jan-17	49	Fountain in Sink	Room 202	0.003	No			Field ID: FCS#24 @ 30S	Jan-18
Fairview Community School	1966	Yes		Jan-17	49	Fountain in Sink	Room 203	0.014	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: FCS#25 @ 0S	Jan-18
Fairview Community School	1966	Yes		Jan-17	49	Fountain in Sink	Room 203	0.003	No			Field ID: FCS#25 @ 30S	Jan-18
Fairview Community School	1966	Yes		Jan-17	49	Fountain in Sink	Room 206	0.031	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: FCS#26 @ 0S	Jan-18
Fairview Community School	1966	Yes		Jan-17	49	Fountain in Sink	Room 206	0.003	No			Field ID: FCS#26 @ 30S	Jan-18
Fairview Community School	1966	Yes		Jan-17	49	Fountain in Sink	Room 205	0.014	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: FCS#27 @ 0S	Jan-18
Fairview Community School	1966	Yes		Jan-17	49	Fountain in Sink	Room 205	0.002	No			Field ID: FCS#27 @ 30S	Jan-18
Fairview Community School	1966	Yes		Jan-17	49	Fountain in Sink	Room 207	0.065	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: FCS#28 @ 0S	Jan-18
Fairview Community School	1966	Yes		Jan-17	49	Fountain in Sink	Room 207	0.008	No			Field ID: FCS#28 @ 30S	Jan-18
Hammond Bay Elementary School	1999	Yes		Jan-17	29	Kitchen Sink	Staff 111	0.003	No			Field ID: HB#1 @ 0S	Jan-18
Hammond Bay Elementary School	1999	Yes		Jan-17	29	Sink	Medical Room	0.004	No			Field ID: HB#2 @ 0S	Jan-18
Hammond Bay Elementary School	1999	Yes		Jan-17	29	Sink	Room 112	0.005	No			Field ID: HB#3 @ 0S	Jan-18
Hammond Bay Elementary School	1999	Yes		Jan-17	29	Sink	Room 114	0.002	No			Field ID: HB#4 @ 0S	Jan-18
Hammond Bay Elementary School	1999	Yes		Jan-17	29	Drinking Fountain	Btwn 118 & 120	0.002	No			Field ID: HB#5 @ 0S	Jan-18
Hammond Bay Elementary School	1999	Yes		Jan-17	29	Utility Sink	Room 120	0.000	No			Field ID: HB#6 @ 5MIN, water main check sample	Jan-18
Hammond Bay Elementary School	1982	Yes		Jan-17	29	Fountain in Sink	Room 105	0.001	No			Field ID: HB#7 @ 0S	Jan-18
Hammond Bay Elementary School	1982	Yes		Jan-17	29	Fountain in Sink	Room 104	0.002	No			Field ID: HB#8 @ 0S	Jan-18
Hammond Bay Elementary School	1999	Yes		Jan-17	29	Fountain in Sink	Room 103	0.001	No			Field ID: HB#9 @ 0S	Jan-18
Hammond Bay Elementary School	1999	Yes		Jan-17	29	Fountain in Sink	Room 208	0.001	No			Field ID: HB#10 @ 0S	Jan-18
Hammond Bay Elementary School	1982	Yes		Jan-17	29	Fountain in Sink	Room 209	0.002	No			Field ID: HB#11 @ 0S	Jan-18
Hammond Bay Elementary School	1982	Yes		Jan-17	29	Fountain in Sink	Library 202 Work Room	0.022	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: HB#12 @ 0S	Jan-18
Hammond Bay Elementary School	1982	Yes		Jan-17	29	Fountain in Sink	Library 202 Work Room	0.004	No			Field ID: HB#12@ 30S	Jan-18
Hammond Bay Elementary School	1982	Yes		Jan-17	29	Fountain in Sink	Room 210	0.024	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: HB#13 @ 0S	Jan-18
Hammond Bay Elementary School	1982	Yes		Jan-17	29	Fountain in Sink	Room 210	0.004	No			Field ID: HB#13@ 30S	Jan-18
Hammond Bay Elementary School	1982	Yes		Jan-17	29	Fountain in Sink	Room 201	0.010	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: HB#14 @ 0S	Jan-18
Hammond Bay Elementary School	1982	Yes		Jan-17	29	Fountain in Sink	Room 201	0.002	No			Field ID: HB#14@ 30S	Jan-18
Hammond Bay Elementary School	1967	Yes		Jan-17	29	Fountain in Sink	Room 211	0.004	No			Field ID: HB#15 @ 0S	Jan-18
Hammond Bay Elementary School	1967	Yes		Jan-17	29	Fountain in Sink	Room 212	0.018	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: HB#16 @ 0S	Jan-18
Hammond Bay Elementary School	1967	Yes		Jan-17	29	Fountain in Sink	Room 212	0.001	No			Field ID: HB#16@ 30S	Jan-18
Hammond Bay Elementary School	1967	Yes		Jan-17	29	Fountain in Sink	Room 213	0.008	No			Field ID: HB#17 @ 0S	Jan-18
Hammond Bay Elementary School	1982	Yes		Jan-17	29	Fountain in Sink	Room 218	0.014	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: HB#18 @ 0S	Jan-18



REPORT FOR TESTING LEAD CONTENT IN DRINKING WATER OF SCHOOL FACILITIES

School District Information	
SD No.	68
SD Name	Nanaimo Ladysmith
SD Contact Name:	Brad Stacey
SD Contact Phone:	250 741-5336
Report Date	

Health Authority (HA) Information	
Region	
Contact Name	
Contact Phone	
Report submitted to HA	
Report submission date	

School Name	School Age	Testing Required	If no, describe why	Date of Test (mm/yyyy)	Total Samples	Water Fixture Type	Room Location	Lead Level Result (mg/L)	Exceed Maximum Acceptable Concentrations	Mitigation Strategy Description	Describe Public Communication Plan	Comments	Next scheduled date of testing (mm/yyyy)
Hammond Bay Elementary School	1982	Yes		Jan-17	29	Fountain in Sink	Room 218	0.005	No			Field ID: HB#18 @ 30S	Jan-18
Hammond Bay Elementary School	1967	Yes		Jan-17	29	Fountain in Sink	WCB off courtyard	0.074	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: HB#19 @ 0S	Jan-18
Hammond Bay Elementary School	1967	Yes		Jan-17	29	Fountain in Sink	WCB off courtyard	0.004	No			Field ID: HB#19 @ 30S	Jan-18
Hammond Bay Elementary School	1967	Yes		Jan-17	29	Fountain in Sink	WCG off courtyard	0.033	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: HB#20 @ 0S	Jan-18
Hammond Bay Elementary School	1967	Yes		Jan-17	29	Fountain in Sink	WCG off courtyard	0.002	No			Field ID: HB#20 @ 30S	Jan-18
Hammond Bay Elementary School	1967	Yes		Jan-17	29	Kitchen Sink	Kitchen off courtyard	0.006	No			Field ID: HB#21 @ 0S	Jan-18
Hammond Bay Elementary School	1978	Yes		Jan-17	29	Drinking Fountain	Gym Foyer	0.006	No			Field ID: HB#22 @ 0S	Jan-18
John Barsby Community School	1999	Yes		Jan-17	61	Fountain in Sink	Room 110	0.002	No			Field ID: JB#1 @ 0S	Jan-18
John Barsby Community School	1999	Yes		Jan-17	61	Drinking Fountain	Across from Library	0.001	No			Field ID: JB#2 @ 0S	Jan-18
John Barsby Community School	1999	Yes		Jan-17	61	Sink	Staff 101	0.002	No			Field ID: JB#3 @ 0S	Jan-18
John Barsby Community School	1955	Yes		Jan-17	61	Drinking Fountain	Adj to Room 118	0.001	No			Field ID: JB#4 @ 0S	Jan-18
John Barsby Community School	1955	Yes		Jan-17	61	Kitchen Sink	Room 109	0.003	No			Field ID: JB#5 @ 0S	Jan-18
John Barsby Community School	1955	Yes		Jan-17	61	Drinking Fountain	Adj to Room 130-1	0.053	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: JB#6 @ 0S	Jan-18
John Barsby Community School	1955	Yes		Jan-17	61	Drinking Fountain	Adj to Room 130-1	0.008	No			Field ID: JB#6 @ 30S	Jan-18
John Barsby Community School	1969	Yes		Jan-17	61	Sink	Room 136, west wall, closest to entrance	0.141	Yes			Field ID: JB#7 @ 0S	Jan-18
John Barsby Community School	1969	Yes		Jan-17	61	Sink	Room 136, west wall, closest to entrance	0.027	Yes	The sinks and lines to the lab be flushed and re-tested, then flushed on a regular schedule (as determined by further testing); or placing signage at each laboratory sink stating that the water is not fit for human consumption		Field ID: JB#7 @ 30S	Jan-18
John Barsby Community School	1969	Yes		Jan-17	61	Sink	Room 136, west wall, closest to entrance	0.009	No			Field ID: JB#7 @ 2MIN	Jan-18
John Barsby Community School	1969	Yes		Jan-17	61	Sink	Room 121, north wall	0.818	Yes			Field ID: JB#8 @ 0S	Jan-18
John Barsby Community School	1969	Yes		Jan-17	61	Sink	Room 121, north wall	0.035	Yes			Field ID: JB#8 @ 30S	Jan-18
John Barsby Community School	1969	Yes		Jan-17	61	Sink	Room 121, north wall	0.018	Yes			Field ID: JB#8 @ 2MIN	Jan-18
John Barsby Community School	1969	Yes		Jan-17	61	Sink	Room 121, north wall	0.014	Yes	The sinks and lines to the lab be flushed and re-tested, then flushed on a regular schedule (as determined by further testing); or placing signage at each laboratory sink stating that the water is not fit for human consumption		Field ID: JB#8 @ 5MIN	Jan-18
John Barsby Community School	1969	Yes		Jan-17	61	Sink	Room 123, east wall, adjacent to entrance	0.279	Yes			Field ID: JB#9 @ 0S	Jan-18
John Barsby Community School	1969	Yes		Jan-17	61	Sink	Room 123, east wall, adjacent to entrance	0.014	Yes			Field ID: JB#9 @ 30S	Jan-18
John Barsby Community School	1969	Yes		Jan-17	61	Sink	Room 123, east wall, adjacent to entrance	0.011	Yes	Remove tap from service or replace tap and fittings then retest.		Field ID: JB#9 @ 2MIN	Jan-18
John Barsby Community School	1969	Yes		Jan-17	61	Sink	Room 123, east wall, adjacent to entrance	0.010	No			Field ID: JB#9 @ 5MIN	Jan-18
John Barsby Community School	1955	Yes		Jan-17	61	Sink	Prep 000, adjacent to Room 117	0.009	No			Field ID: JB#10 @ 0S	Jan-18
John Barsby Community School	1955	Yes		Jan-17	61	Sink	Room 117, east wall, northmost sink	0.108	Yes			Field ID: JB#11 @ 0S	Jan-18
John Barsby Community School	1955	Yes		Jan-17	61	Sink	Room 117, east wall, northmost sink	0.074	Yes			Field ID: JB#11 @ 30S	Jan-18
John Barsby Community School	1955	Yes		Jan-17	61	Sink	Room 117, east wall, northmost sink	0.031	Yes	The sinks and lines to the lab be flushed and re-tested, then flushed on a regular schedule (as determined by further testing); or placing signage at each laboratory sink stating that the water is not fit for human consumption		Field ID: JB#11 @ 2MIN	Jan-18



REPORT FOR TESTING LEAD CONTENT IN DRINKING WATER OF SCHOOL FACILITIES

School District Information	
SD No.	68
SD Name	Nanaimo Ladysmith
SD Contact Name:	Brad Stacey
SD Contact Phone:	250 741-5336
Report Date	

Health Authority (HA) information	
Region	
Contact Name	
Contact Phone	
Report submitted to HA	
Report submission date	

School Name	School Age	Testing Required	If no, describe why	Date of Test (mm/yyyy)	Total Samples	Water Fixture Type	Room Location	Lead Level Result (mg/L)	Exceed Maximum Acceptable Concentrations	Mitigation Strategy Description	Describe Public Communication Plan	Comments	Next scheduled date of testing (mm/yyyy)
John Barsby Community School	1955	Yes		Jan-17	61	Sink	Room 117, east wall, northmost sink	0.008	No			Field ID: JB#11 @ 5MIN	Jan-18
John Barsby Community School	1955	Yes		Jan-17	61	Drinking Fountain	Across from Room 209	0.009	No			Field ID: JB#12 @ 0S	Jan-18
John Barsby Community School	1955	Yes		Jan-17	61	Drinking Fountain	Across from Room 209	0.003	No			Field ID: JB#12 @ 30S	Jan-18
John Barsby Community School	1955	Yes		Jan-17	61	Drinking Fountain	Across from Room 219	0.031	Yes			Field ID: JB#13 @ 0S	Jan-18
John Barsby Community School	1955	Yes		Jan-17	61	Drinking Fountain	Across from Room 219	0.016	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: JB#13 @ 30S	Jan-18
John Barsby Community School	1955	Yes		Jan-17	61	Drinking Fountain	Across from Room 219	0.006	No			Field ID: JB#13 @ 2MIN	Jan-18
John Barsby Community School	1969	Yes		Jan-17	61	Eyewash Station	Room 236	0.196	Yes			Field ID: JB#14 @ 0S	Jan-18
John Barsby Community School	1969	Yes		Jan-17	61	Eyewash Station	Room 236	0.037	Yes			Field ID: JB#14 @ 30S	Jan-18
John Barsby Community School	1969	Yes		Jan-17	61	Eyewash Station	Room 236	0.027	Yes			Field ID: JB#14 @ 2MIN	Jan-18
John Barsby Community School	1969	Yes		Jan-17	61	Eyewash Station	Room 236	0.082	Yes	The sinks and lines to the lab be flushed and re-tested, then flushed on a regular schedule (as determined by further testing); or placing signage at each laboratory sink stating that the water is not fit for human consumption		Field ID: JB#14 @ 5MIN	Jan-18
John Barsby Community School	1969	Yes		Jan-17	61	Eyewash Station	Room 225	0.059	Yes	The sinks and lines to the lab be flushed and re-tested, then flushed on a regular schedule (as determined by further testing); or placing signage at each laboratory sink stating that the water is not fit for human consumption		Field ID: JB#15 @ 0S	Jan-18
John Barsby Community School	1969	Yes		Jan-17	61	Eyewash Station	Room 225	0.005	No			Field ID: JB#15 @ 30S	Jan-18
John Barsby Community School	1969	Yes		Jan-17	61	Eyewash Station	Room 221	0.051	Yes			Field ID: JB#16 @ 0S	Jan-18
John Barsby Community School	1969	Yes		Jan-17	61	Eyewash Station	Room 221	0.011	Yes	The sinks and lines to the lab be flushed and re-tested, then flushed on a regular schedule (as determined by further testing); or placing signage at each laboratory sink stating that the water is not fit for human consumption		Field ID: JB#16 @ 30S	Jan-18
John Barsby Community School	1969	Yes		Jan-17	61	Eyewash Station	Room 221	0.007	No			Field ID: JB#16 @ 2MIN	Jan-18
John Barsby Community School	1955	Yes		Jan-17	61	Kitchen Sink	Room 300	0.003	No			Field ID: JB#17 @ 0S	Jan-18
John Barsby Community School	1955	Yes		Jan-17	61	Sink	Room 304, station #6	0.003	No			Field ID: JB#18 @ 0S	Jan-18
John Barsby Community School	1955	Yes		Jan-17	61	Sink	Room 304, station #4	0.002	No			Field ID: JB#19 @ 0S	Jan-18
John Barsby Community School	1955	Yes		Jan-17	61	Sink	Room 306	0.012	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: JB#20 @ 0S	Jan-18
John Barsby Community School	1955	Yes		Jan-17	61	Sink	Room 306	0.005	No			Field ID: JB#20 @ 30S	Jan-18
John Barsby Community School	1955	Yes		Jan-17	61	Sink	Room 301, station #3	0.002	No			Field ID: JB#21 @ 0S	Jan-18
John Barsby Community School	1955	Yes		Jan-17	61	Sink	Room 301, station #6	0.010	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: JB#22 @ 0S	Jan-18
John Barsby Community School	1955	Yes		Jan-17	61	Utility Sink	Boiler 000	0.001	No			Field ID: JB#23 @ 5MIN, water main check sample	Jan-18
John Barsby Community School	1999	Yes		Jan-17	61	Sink	Room 308, east most sink	0.001	No			Field ID: JB#24 @ 0S	Jan-18
John Barsby Community School	1999	Yes		Jan-17	61	Fountain in Sink	Room 308-1	0.001	No			Field ID: JB#25 @ 0S	Jan-18
John Barsby Community School	1964	Yes		Jan-17	61	Fountain in Sink	Room 422	0.012	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: JB#26 @ 0S	Jan-18
John Barsby Community School	1964	Yes		Jan-17	61	Fountain in Sink	Room 422	0.004	No			Field ID: JB#26 @ 30S	Jan-18
John Barsby Community School	1964	Yes		Jan-17	61	Fountain in Sink	Room 420	0.029	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: JB#27 @ 0S	Jan-18
John Barsby Community School	1964	Yes		Jan-17	61	Fountain in Sink	Room 420	0.004	No			Field ID: JB#27 @ 30S	Jan-18
John Barsby Community School	1999	Yes		Jan-17	61	Drinking Fountain	Girls CH RM	0.002	No			Field ID: JB#28 @ 0S	Jan-18
John Barsby Community School	1999	Yes		Jan-17	61	Drinking Fountain	Boys CH RM	0.002	No			Field ID: JB#29 @ 0S	Jan-18
John Barsby Community School	1999	Yes		Jan-17	61	Drinking Fountain	Adj to Boys CH RM	0.001	No			Field ID: JB#30 @ 0S	Jan-18
John Barsby Community School	1999	Yes		Jan-17	61	Fountain in Sink	Room 403	0.001	No			Field ID: JB#31 @ 0S	Jan-18
John Barsby Community School	1999	Yes		Jan-17	61	Kitchen Sink	Room 418-8	0.011	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: JB#32 @ 0S	Jan-18



REPORT FOR TESTING LEAD CONTENT IN DRINKING WATER OF SCHOOL FACILITIES

School District Information	
SD No.	68
SD Name	Nanaimo Ladysmith
SD Contact Name:	Brad Stacey
SD Contact Phone:	250 741-5336
Report Date	

Health Authority (HA) Information	
Region	
Contact Name	
Contact Phone	
Report submitted to HA	
Report submission date	

School Name	School Age	Testing Required	If no, describe why	Date of Test (mm/yyyy)	Total Samples	Water Fixture Type	Room Location	Lead Level Result (mg/L)	Exceed Maximum Acceptable Concentrations	Mitigation Strategy Description	Describe Public Communication Plan	Comments	Next scheduled date of testing (mm/yyyy)
John Barsby Community School	1999	Yes		Jan-17	61	Kitchen Sink	Room 418-8	0.001	No			Field ID: JB#32 @ 30S	Jan-18
John Barsby Community School	1999	Yes		Jan-17	61	Kitchen Sink	Room 418, across from offices, west side of counter	0.004	No			Field ID: JB#33 @ 0S	Jan-18
John Barsby Community School	1999	Yes		Jan-17	61	Kitchen Sink	Room 418, across from fryers	0.006	No			Field ID: JB#34 @ 0S	Jan-18
John Barsby Community School	1988	Yes		Jan-17	61	Utility Sink	Bandroom 000	0.076	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: JB#35 @ 0S	Jan-18
John Barsby Community School	1988	Yes		Jan-17	61	Utility Sink	Bandroom 000	0.002	No			Field ID: JB#35 @ 30S	Jan-18
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Fountain in Sink	Sp. Educ.	0.006	No			Field ID: LIS#1 @ 0S	Dec-17
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Kitchen Sink	Staff 104	0.024	Yes			Field ID: LIS#2 @ 0S	Dec-17
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Kitchen Sink	Staff 104	0.050	Yes			Field ID: LIS#2 @ 30S	Dec-17
Ladysmith Intermediate School	1955	Yes		Jan-17	41	Kitchen Sink	Staff 104	0.016	Yes	Replace sink, fittings and any easily accessible piping behind sink and re-test. Installation of a filter may be necessary.		Field ID: LIS#2 @ 2MIN	Jan-18
Ladysmith Intermediate School	1955	Yes		Jan-17	41	Kitchen Sink	Staff 104	0.007	No			Field ID: LIS#2 @ 5MIN	Jan-18
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Drinking Fountain	Adj to Main Floor Girls WC	0.070	Yes			Field ID: LIS#3 @ 0S	Dec-17
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Drinking Fountain	Adj to Main Floor Girls WC	0.026	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: LIS#3 @ 30S	Dec-17
Ladysmith Intermediate School	1955	Yes		Jan-17	41	Drinking Fountain	Adj to Main Floor Girls WC	0.009	No			Field ID: LIS#3 @ 2MIN	Jan-18
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Fountain in Sink	Room 108	0.005	No			Field ID: LIS#4 @ 0S	Dec-17
Ladysmith Intermediate School	1995	Yes		Dec-16	41	Fountain in Sink	Girls CH RM 109	0.008	No			Field ID: LIS#5 @ 0S	Dec-17
Ladysmith Intermediate School	1995	Yes		Dec-16	41	Fountain in Sink	Room 117	0.005	No			Field ID: LIS#6 @ 0S	Dec-17
Ladysmith Intermediate School	1995	Yes		Dec-16	41	Kitchen Sink	Kitchen 113	0.018	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: LIS#7 @ 0S	Dec-17
Ladysmith Intermediate School	1995	Yes		Dec-16	41	Kitchen Sink	Kitchen 113	0.005	No			Field ID: LIS#7 @ 30S	Dec-17
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Utility Sink	Furnace 006	0.004	No			Field ID: LIS#8 @ 5MIN, water main check sample	Dec-17
Ladysmith Intermediate School	1995	Yes		Dec-16	41	Fountain in Sink	Room 003	0.008	No			Field ID: LIS#9 @ 0S	Dec-17
Ladysmith Intermediate School	1995	Yes		Dec-16	41	Fountain in Sink	Room 004	0.012	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: LIS#10 @ 0S	Dec-17
Ladysmith Intermediate School	1995	Yes		Dec-16	41	Fountain in Sink	Room 004	0.004	No			Field ID: LIS#10 @ 30S	Dec-17
Ladysmith Intermediate School	1995	Yes		Dec-16	41	Fountain in Sink	Room 005	0.008	No			Field ID: LIS#11 @ 0S	Dec-17
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Fountain in Sink	Room 122	0.060	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: LIS#12 @ 0S	Dec-17
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Fountain in Sink	Room 122	0.006	No			Field ID: LIS#12 @ 30S	Dec-17
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Fountain in Sink	Room 124	0.043	Yes			Field ID: LIS#13 @ 0S	Dec-17
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Fountain in Sink	Room 124	0.013	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: LIS#13 @ 30S	Dec-17
Ladysmith Intermediate School	1955	Yes		Jan-17	41	Fountain in Sink	Room 124	0.009	No			Field ID: LIS#13 @ 2MIN	Jan-18
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Fountain in Sink	Room 120	0.060	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: LIS#14 @ 0S	Dec-17
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Fountain in Sink	Room 120	0.007	No			Field ID: LIS#14 @ 30S	Dec-17
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Fountain in Sink	Room 123	0.330	Yes			Field ID: LIS#15 @ 0S	Dec-17
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Fountain in Sink	Room 123	0.018	Yes	Replace drinking fountain and re-test.		Field ID: LIS#15 @ 30S	Dec-17
Ladysmith Intermediate School	1955	Yes		Jan-17	41	Fountain in Sink	Room 123	0.009	No			Field ID: LIS#15 @ 2MIN	Jan-18
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Drinking Fountain	Upper Floor, btwn WCG and WCB	0.079	Yes			Field ID: LIS#16 @ 0S	Dec-17
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Drinking Fountain	Upper Floor, btwn WCG and WCB	0.063	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: LIS#16 @ 30S	Dec-17
Ladysmith Intermediate School	1955	Yes		Jan-17	41	Drinking Fountain	Upper Floor, btwn WCG and WCB	0.009	No			Field ID: LIS#16 @ 2MIN	Jan-18
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Fountain in Sink	Room 202	0.066	Yes			Field ID: LIS#17 @ 0S	Dec-17
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Fountain in Sink	Room 202	0.012	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: LIS#17 @ 30S	Dec-17
Ladysmith Intermediate School	1955	Yes		Jan-17	41	Fountain in Sink	Room 202	0.005	No			Field ID: LIS#17 @ 2MIN	Jan-18
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Fountain in Sink	Room 201	0.049	Yes			Field ID: LIS#18 @ 0S	Dec-17



REPORT FOR TESTING LEAD CONTENT IN DRINKING WATER OF SCHOOL FACILITIES

School District Information	
SD No.	68
SD Name	Nanaimo Ladysmith
SD Contact Name:	Brad Stacey
SD Contact Phone:	250 741-5336
Report Date	

Health Authority (HA) Information	
Region	
Contact Name	
Contact Phone	
Report submitted to HA	
Report submission date	

School Name	School Age	Testing Required	If no, describe why	Date of Test (mm/yyyy)	Total Samples	Water Fixture Type	Room Location	Lead Level Result (mg/L)	Exceed Maximum Acceptable Concentrations	Mitigation Strategy Description	Describe Public Communication Plan	Comments	Next scheduled date of testing (mm/yyyy)
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Fountain in Sink	Room 201	0.012	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: LIS#18 @ 30S	Dec-17
Ladysmith Intermediate School	1955	Yes		Jan-17	41	Fountain in Sink	Room 201	0.005	No			Field ID: LIS#18 @ 2MIN	Jan-18
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Fountain in Sink	Room 204	0.050	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: LIS#19 @ 0S	Dec-17
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Fountain in Sink	Room 204	0.008	No			Field ID: LIS#19 @ 30S	Dec-17
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Fountain in Sink	Room 203	0.047	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: LIS#20 @ 0S	Dec-17
Ladysmith Intermediate School	1955	Yes		Dec-16	41	Fountain in Sink	Room 203	0.009	No			Field ID: LIS#20 @ 30S	Dec-17
Ladysmith Primary School	1965	Yes		Dec-16	32	Drinking Fountain	Across from Gen Office	0.010	No			Field ID: LPS#1 @ 0S	Dec-17
Ladysmith Primary School	1965	Yes		Dec-16	32	Drinking Fountain	Across from Gen Office	0.001	No			Field ID: LPS#1 @ 30S	Dec-17
Ladysmith Primary School	1965	Yes		Dec-16	32	Fountain in Sink	Room 105	0.007	No			Field ID: LPS#2 @ 0S	Dec-17
Ladysmith Primary School	1965	Yes		Dec-16	32	Fountain in Sink	Room 104	0.005	No			Field ID: LPS#3 @ 0S	Dec-17
Ladysmith Primary School	1965	Yes		Dec-16	32	Sink	Stor by Sp. Educ.	0.041	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: LPS#4 @ 0S	Dec-17
Ladysmith Primary School	1965	Yes		Dec-16	32	Sink	Stor by Sp. Educ.	0.009	No			Field ID: LPS#4 @ 30S	Dec-17
Ladysmith Primary School	1965	Yes		Dec-16	32	Sink	Stor by Sp. Educ.	0.002	No			Field ID: LPS#4 @ 5MIN, water main check sample	Dec-17
Ladysmith Primary School	1965	Yes		Dec-16	32	Fountain in Sink	Room 103	0.006	No			Field ID: LPS#5 @ 0S	Dec-17
Ladysmith Primary School	1965	Yes		Dec-16	32	Fountain in Sink	Room 102	0.016	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: LPS#6 @ 0S	Dec-17
Ladysmith Primary School	1965	Yes		Dec-16	32	Fountain in Sink	Room 102	0.002	No			Field ID: LPS#6 @ 30S	Dec-17
Ladysmith Primary School	1965	Yes		Dec-16	32	Fountain in Sink	Room 101	0.024	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: LPS#7 @ 0S	Dec-17
Ladysmith Primary School	1965	Yes		Dec-16	32	Fountain in Sink	Room 101	0.003	No			Field ID: LPS#7 @ 30S	Dec-17
Ladysmith Primary School	1991	Yes		Dec-16	32	Fountain in Sink	Room 115	0.005	No			Field ID: LPS#8 @ 0S	Dec-17
Ladysmith Primary School	1991	Yes		Dec-16	32	Kitchen Sink	Room 114	0.040	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: LPS#9 @ 0S	Dec-17
Ladysmith Primary School	1991	Yes		Dec-16	32	Kitchen Sink	Room 114	0.004	No			Field ID: LPS#9 @ 30S	Dec-17
Ladysmith Primary School	1991	Yes		Dec-16	32	Kitchen Sink	Staff Room	0.008	No			Field ID: LPS#10 @ 0S	Dec-17
Ladysmith Primary School	1991	Yes		Dec-16	32	Sink	Library 114 Office	0.125	Yes	Further investigation required to determine if elevated lead due to faucet or lack of regular flushing of tap.		Field ID: LPS#11 @ 0S	Dec-17
Ladysmith Primary School	1991	Yes		Dec-16	32	Sink	Library 114 Office	0.012	Yes			Field ID: LPS#11 @ 30S	Dec-17
Ladysmith Primary School	1991	Yes		Jan-17	32	Sink	Library 114 Office	0.007	No			Field ID: LPS#11 @ 2MIN	Jan-18
Ladysmith Primary School	1991	Yes		Dec-16	32	Fountain in Sink	Room 111	0.003	No			Field ID: LPS#12 @ 0S	Dec-17
Ladysmith Primary School	1983	Yes		Dec-16	32	Fountain in Sink	Room 110	0.011	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: LPS#13 @ 0S	Dec-17
Ladysmith Primary School	1983	Yes		Dec-16	32	Fountain in Sink	Room 110	0.001	No			Field ID: LPS#13 @ 30S	Dec-17
Ladysmith Primary School	1983	Yes		Dec-16	32	Fountain in Sink	Room 109	0.021	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: LPS#14 @ 0S	Dec-17
Ladysmith Primary School	1983	Yes		Dec-16	32	Fountain in Sink	Room 109	0.006	No			Field ID: LPS#14 @ 30S	Dec-17
Ladysmith Primary School	1983	Yes		Dec-16	32	Fountain in Sink	Room 108	0.023	Yes			Field ID: LPS#15 @ 0S	Dec-17
Ladysmith Primary School	1983	Yes		Dec-16	32	Fountain in Sink	Room 108	0.011	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: LPS#15 @ 30S	Dec-17
Ladysmith Primary School	1983	Yes		Jan-17	32	Fountain in Sink	Room 108	0.003	No			Field ID: LPS#15 @ 2MIN	Jan-18
Ladysmith Primary School	1983	Yes		Dec-16	32	Fountain in Sink	Room 107	0.030	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: LPS#16 @ 0S	Dec-17
Ladysmith Primary School	1983	Yes		Dec-16	32	Fountain in Sink	Room 107	0.006	No			Field ID: LPS#16 @ 30S	Dec-17
Ladysmith Primary School	1967	Yes		Dec-16	32	Fountain in Sink	Room 106	0.006	No			Field ID: LPS#17 @ 0S	Dec-17
Ladysmith Primary School	1991	Yes		Dec-16	32	Kitchen Sink	P30 Staff Room	0.017	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: LPS#18 @ 0S	Dec-17
Ladysmith Primary School	1991	Yes		Dec-16	32	Kitchen Sink	P30 Staff Room	0.001	No			Field ID: LPS#18 @ 30S	Dec-17



REPORT FOR TESTING LEAD CONTENT IN DRINKING WATER OF SCHOOL FACILITIES

School District Information	
SD No.	68
SD Name	Nanaimo Ladysmith
SD Contact Name:	Brad Stacey
SD Contact Phone:	250 741-5336
Report Date	

Health Authority (HA) Information	
Region	
Contact Name	
Contact Phone	
Report submitted to HA	
Report submission date	

School Name	School Age	Testing Required	If no, describe why	Date of Test (mm/yyyy)	Total Samples	Water Fixture Type	Room Location	Lead Level Result (mg/L)	Exceed Maximum Acceptable Concentrations	Mitigation Strategy Description	Describe Public Communication Plan	Comments	Next scheduled date of testing (mm/yyyy)
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Utility Sink	Boiler Room 118	0.009	No			Field ID: NDSS#1 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Utility Sink	Boiler Room 118	0.000	No			Field ID: NDSS#1 @ 5MIN, water main check sample	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Drinking Fountain	Beside main floor display case	0.001	No			Field ID: NDSS#2 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Drinking Fountain	Across from Room 133	0.002	No			Field ID: NDSS#3 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Kitchen Sink	Staff 146	0.001	No			Field ID: NDSS#4 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Sink	Room 147	0.002	No			Field ID: NDSS#5 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Sink	Room 147	0.002	No			Field ID: NDSS#6 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Sink	Room 144	0.001	No			Field ID: NDSS#7 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Sink	Room 144	0.001	No			Field ID: NDSS#8 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Kitchen Sink	Staff 118	0.002	No			Field ID: NDSS#9 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Drinking Fountain	Girls Locker RM	0.001	No			Field ID: NDSS#10 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Drinking Fountain	Boys Locker RM	0.027	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NDSS#11 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Drinking Fountain	Boys Locker RM	0.009	No			Field ID: NDSS#11 @ 30S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Drinking Fountain	Outside Gym 108	0.001	No			Field ID: NDSS#12 @ 0S	Dec-17
Nanaimo District Secondary School	1964	Yes		Dec-16	47	Drinking Fountain	Cafeteria 1057	0.025	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NDSS#13 @ 0S	Dec-17
Nanaimo District Secondary School	1964	Yes		Dec-16	47	Drinking Fountain	Cafeteria 1057	0.005	No			Field ID: NDSS#13 @ 30S	Dec-17
Nanaimo District Secondary School	1964	Yes		Dec-16	47	Kitchen Sink	Kitchen 1064	0.007	No			Field ID: NDSS#14 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Kitchen Sink	Kitchen 1063	0.002	No			Field ID: NDSS#15 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Kitchen Sink	Kitchen 1063	0.002	No			Field ID: NDSS#16 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Kitchen Sink	Kitchen 1063	0.001	No			Field ID: NDSS#17 @ 0S	Dec-17
Nanaimo District Secondary School	2001	Yes		Dec-16	47	Sink	Library WC 170A	0.007	No			Field ID: NDSS#18 @ 0S	Dec-17
Nanaimo District Secondary School	2000	Yes		Dec-16	47	Kitchen Sink	Room 150	0.002	No			Field ID: NDSS#19 @ 0S	Dec-17
Nanaimo District Secondary School	2000	Yes		Dec-16	47	Kitchen Sink	Staff 155	0.002	No			Field ID: NDSS#20 @ 0S	Dec-17
Nanaimo District Secondary School	2000	Yes		Dec-16	47	Kitchen Sink	Room 161	0.001	No			Field ID: NDSS#21 @ 0S	Dec-17
Nanaimo District Secondary School	2000	Yes		Dec-16	47	Kitchen Sink	Room 161	0.001	No			Field ID: NDSS#22 @ 0S	Dec-17
Nanaimo District Secondary School	2000	Yes		Dec-16	47	Drinking Fountain	Across from RM 161	0.001	No			Field ID: NDSS#23 @ 0S	Dec-17
Nanaimo District Secondary School	2000	Yes		Dec-16	47	Kitchen Sink	Room 164	0.002	No			Field ID: NDSS#24 @ 0S	Dec-17
Nanaimo District Secondary School	2000	Yes		Dec-16	47	Kitchen Sink	Room 166	0.002	No			Field ID: NDSS#25 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Sink	Room 154	0.001	No			Field ID: NDSS#26 @ 0S	Dec-17
Nanaimo District Secondary School	2000	Yes		Dec-16	47	Fountain in Sink	Room 170	0.005	No			Field ID: NDSS#27 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Fountain in Sink	Room 156	0.007	No			Field ID: NDSS#28 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Kitchen Sink	Office off RM 207	0.015	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NDSS#29 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Kitchen Sink	Office off RM 207	0.004	No			Field ID: NDSS#29 @ 30S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Kitchen Sink	Workshop off RM 205	0.013	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NDSS#30 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Kitchen Sink	Workshop off RM 205	0.008	No			Field ID: NDSS#30 @ 30S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Drinking Fountain	Adj to RM 205	0.011	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NDSS#31 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Drinking Fountain	Adj to RM 205	0.003	No			Field ID: NDSS#31 @ 30S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Drinking Fountain	Across from RM 238	0.008	No			Field ID: NDSS#32 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Sink	Prep 223C	0.001	No			Field ID: NDSS#33 @ 0S	Dec-17
Nanaimo District Secondary School	1961	Yes		Dec-16	47	Drinking Fountain	Across from RM 223	0.001	No			Field ID: NDSS#34 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Sink	Prep 222A	0.397	Yes			Field ID: NDSS#35 @ 0S	Dec-17
Nanaimo District Secondary School	1951	Yes		Dec-16	47	Sink	Prep 222A	0.029	Yes			Field ID: NDSS#35 @ 30S	Dec-17
Nanaimo District Secondary School	1951	Yes		Jan-17	47	Sink	Prep 222A	0.013	Yes	Remove tap from service or replace tap and fittings then retest.		Field ID: NDSS#35 @ 5MIN	Jan-18
Nanaimo District Secondary School	2001	Yes		Dec-16	47	Drinking Fountain	CTC Floor 2	0.000	No			Field ID: NDSS#36 @ 0S	Dec-17
Nanaimo District Secondary School	2001	Yes		Dec-16	47	Drinking Fountain	CTC Floor 3	0.000	No			Field ID: NDSS#37 @ 0S	Dec-17
Nanaimo District Secondary School	1976	Yes		Dec-16	47	Sink	Bandroom INST	0.008	No			Field ID: NDSS#38 @ 0S	Dec-17
Nanaimo District Secondary School	2000	Yes		Dec-16	47	Kitchen Sink	DAC Annex	0.002	No			Field ID: DAC ANNEX @ 0S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Kitchen Sink	Staff 122	0.012	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NOES#1 @ 0S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Kitchen Sink	Staff 122	0.003	No			Field ID: NOES#1 @ 30S	Dec-17
North Oyster Elementary School	1962	Yes		Dec-16	39	Sink	Room 108	0.025	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NOES#2 @ 0S	Dec-17



REPORT FOR TESTING LEAD CONTENT IN DRINKING WATER OF SCHOOL FACILITIES

School District Information	
SD No.	68
SD Name	Nanaimo Ladysmith
SD Contact Name:	Brad Stacey
SD Contact Phone:	250 741-5336
Report Date	

Health Authority (HA) Information	
Region	
Contact Name	
Contact Phone	
Report submitted to HA	
Report submission date	

School Name	School Age	Testing Required	If no, describe why	Date of Test (mm/yyyy)	Total Samples	Water Fixture Type	Room Location	Lead Level (mg/L)	Exceed Maximum Acceptable Concentrations	Mitigation Strategy Description	Describe Public Communication Plan	Comments	Next scheduled date of testing (mm/yyyy)
North Oyster Elementary School	1962	Yes		Dec-16	39	Sink	Room 108	0.002	No			Field ID: NOES#2 @ 30S	Dec-17
North Oyster Elementary School	1967	Yes		Dec-16	39	Fountain in Sink	Room 106	0.023	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NOES#3 @ 0S	Dec-17
North Oyster Elementary School	1967	Yes		Dec-16	39	Fountain in Sink	Room 106	0.003	No			Field ID: NOES#3 @ 30S	Dec-17
North Oyster Elementary School	1967	Yes		Dec-16	39	Fountain in Sink	Room 104	0.024	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NOES#4 @ 0S	Dec-17
North Oyster Elementary School	1967	Yes		Dec-16	39	Fountain in Sink	Room 104	0.002	No			Field ID: NOES#4 @ 30S	Dec-17
North Oyster Elementary School	1975	Yes		Dec-16	39	Fountain in Sink	Room 102	0.024	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NOES#5 @ 0S	Dec-17
North Oyster Elementary School	1975	Yes		Dec-16	39	Fountain in Sink	Room 102	0.002	No			Field ID: NOES#5 @ 30S	Dec-17
North Oyster Elementary School	1967	Yes		Dec-16	39	Fountain in Sink	Room 101	0.003	No			Field ID: NOES#6 @ 0S	Dec-17
North Oyster Elementary School	1967	Yes		Dec-16	39	Fountain in Sink	Room 103	0.025	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NOES#7 @ 0S	Dec-17
North Oyster Elementary School	1967	Yes		Dec-16	39	Fountain in Sink	Room 103	0.003	No			Field ID: NOES#7 @ 30S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Kitchen Sink	Kitchen 107A	0.025	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NOES#8 @ 0S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Kitchen Sink	Kitchen 107A	0.003	No			Field ID: NOES#8 @ 30S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Sink	Room 107	0.029	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NOES#9 @ 0S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Sink	Room 107	0.002	No			Field ID: NOES#9 @ 30S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Kitchen Sink	Kitchen 107A	0.014	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NOES#10 @ 0S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Kitchen Sink	Kitchen 107A	0.001	No			Field ID: NOES#10 @ 30S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Sink	Library 124 Work RM	0.038	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NOES#11 @ 0S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Sink	Library 124 Work RM	0.002	No			Field ID: NOES#11 @ 30S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Fountain in Sink	SP. Ed across from RM 129	0.071	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NOES#12 @ 0S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Fountain in Sink	SP. Ed across from RM 129	0.005	No			Field ID: NOES#12 @ 30S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Kitchen Sink	Room 130	0.031	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NOES#13 @ 0S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Kitchen Sink	Room 130	0.002	No			Field ID: NOES#13 @ 30S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Fountain in Sink	Room 130	0.015	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NOES#14 @ 0S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Fountain in Sink	Room 130	0.001	No			Field ID: NOES#14 @ 30S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Fountain in Sink	Room 135	0.027	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NOES#15 @ 0S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Fountain in Sink	Room 135	0.002	No			Field ID: NOES#15 @ 30S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Fountain in Sink	Room 138	0.003	No			Field ID: NOES#16 @ 0S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Fountain in Sink	Room 142	0.033	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NOES#17 @ 0S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Fountain in Sink	Room 142	0.004	No			Field ID: NOES#17 @ 30S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Fountain in Sink	Room 141	0.031	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NOES#18 @ 0S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Fountain in Sink	Room 141	0.002	No			Field ID: NOES#18 @ 30S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Fountain in Sink	Room 140	0.048	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: NOES#19 @ 0S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Fountain in Sink	Room 140	0.004	No			Field ID: NOES#19 @ 30S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Fountain in Sink	Room 137	0.009	No			Field ID: NOES#20 @ 0S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Fountain in Sink	Room 137	0.000	No			Field ID: NOES#20 @ 30S	Dec-17
North Oyster Elementary School	1993	Yes		Dec-16	39	Sink	Room 137	0.000	No			Field ID: NOES#20 @ 5MIN, water main check sample	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Fountain in Sink	Room 104	0.005	No			Field ID: PV#1 @ 0S	Dec-17



REPORT FOR TESTING LEAD CONTENT IN DRINKING WATER OF SCHOOL FACILITIES

School District Information	
SD No.	68
SD Name	Nanaimo Ladysmith
SD Contact Name:	Brad Stacey
SD Contact Phone:	250 741-5336
Report Date	

Health Authority (HA) Information	
Region	
Contact Name	
Contact Phone	
Report submitted to HA	
Report submission date	

School Name	School Age	Testing Required	If no, describe why	Date of Test (mm/yyyy)	Total Samples	Water Fixture Type	Room Location	Lead Level Result (mg/L)	Exceed Maximum Acceptable Concentrations	Mitigation Strategy Description	Describe Public Communication Plan	Comments	Next scheduled date of testing (mm/yyyy)
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Fountain in Sink	Room 103	0.016	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: PV#2 @ 05	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Fountain in Sink	Room 103	0.004	No			Field ID: PV#2 @ 30S	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Sink	SP. EDUC. 000	0.008	No			Field ID: PV#3 @ 05	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Fountain in Sink	Room 102	0.051	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: PV#4 @ 05	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Fountain in Sink	Room 102	0.007	No			Field ID: PV#4 @ 30S	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Fountain in Sink	Room 201	0.010	No			Field ID: PV#5 @ 05	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Fountain in Sink	Room 202	0.022	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: PV#6 @ 05	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Fountain in Sink	Room 202	0.009	No			Field ID: PV#6 @ 30S	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Fountain in Sink	Room 203	0.012	Yes			Field ID: PV#7 @ 05	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Fountain in Sink	Room 203	0.010	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: PV#7 @ 30S	Dec-17
Plesant Valley Elementary School	1973	Yes		Jan-17	30	Fountain in Sink	Room 203	0.007	No			Field ID: PV#7 @ 2MIN	Jan-18
Plesant Valley Elementary School	1973	Yes		Jan-17	30	Fountain in Sink	Room 203	0.003	No			Field ID: PV#7 @ 5MIN	Jan-18
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Fountain in Sink	Room 204	0.012	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: PV#8 @ 05	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Fountain in Sink	Room 204	0.006	No			Field ID: PV#8 @ 30S	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Drinking Fountain	Gym Foyer	0.024	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: PV#9 @ 05	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Drinking Fountain	Gym Foyer	0.006	No			Field ID: PV#9 @ 30S	Dec-17
Plesant Valley Elementary School	1983	Yes		Dec-16	30	Kitchen Sink	Staff	0.004	No			Field ID: PV#10 @ 05	Dec-17
Plesant Valley Elementary School	1983	Yes		Dec-16	30	Sink	Staff 106	0.021	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: PV#11 @ 05	Dec-17
Plesant Valley Elementary School	1983	Yes		Dec-16	30	Sink	Staff 106	0.008	No			Field ID: PV#11 @ 30S	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Drinking Fountain	Room 108	0.005	No			Field ID: PV#12 @ 05	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Kitchen Sink	Room 107	0.004	No			Field ID: PV#13 @ 05	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Kitchen Sink	Room 107	0.001	No			Field ID: PV#13 @ 5MIN, water main check sample	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Sink	Room 107	0.001	No			Field ID: PV#14 @ 05	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Fountain in Sink	Room 110	0.005	No			Field ID: PV#15 @ 05	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Fountain in Sink	Room109	0.004	No			Field ID: PV#16 @ 05	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Fountain in Sink	Room 112	0.002	No			Field ID: PV#17 @ 05	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Fountain in Sink	Room 111	0.002	No			Field ID: PV#18 @ 05	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Fountain in Sink	Room 114	0.003	No			Field ID: PV#19 @ 05	Dec-17
Plesant Valley Elementary School	1973	Yes		Dec-16	30	Fountain in Sink	Room 113	0.002	No			Field ID: PV#20 @ 05	Dec-17
Rotary Bowl Change House	1969	Yes		Dec-16	11	Sink	WCB	0.010	No			Field ID: RBCH#1 @ 05	Dec-17
Rotary Bowl Change House	1969	Yes		Dec-16	11	Sink	WCB	0.000	No			Field ID: RBCH#1 @ 30S	Dec-17
Rotary Bowl Change House	1969	Yes		Dec-16	11	Fountain in Sink	WCG	0.101	Yes	Replace drinking fountain and re-test.		Field ID: RBCH#2 @ 05	Dec-17
Rotary Bowl Change House	1969	Yes		Dec-16	11	Fountain in Sink	WCG	0.008	No			Field ID: RBCH#2 @ 30S	Dec-17
Rotary Bowl Change House	1969	Yes		Dec-16	11	Kitchen Sink	2nd Floor Kitchen	0.033	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: RBCH#3 @ 05	Dec-17
Rotary Bowl Change House	1969	Yes		Dec-16	11	Kitchen Sink	2nd Floor Kitchen	0.008	No			Field ID: RBCH#3 @ 30S	Dec-17
Rotary Bowl Change House	1969	Yes		Dec-16	11	Sink	2nd Floor WC	0.009	No			Field ID: RBCH#4 @ 05	Dec-17
Rotary Bowl Change House	1969	Yes		Dec-16	11	Sink	2nd Floor WC	0.001	No			Field ID: RBCH#4 @ 30S	Dec-17
Rotary Bowl Change House	1969	Yes		Dec-16	11	Sink	Concession	0.036	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: RBCH#5 @ 05	Dec-17
Rotary Bowl Change House	1969	Yes		Dec-16	11	Sink	Concession	0.001	No			Field ID: RBCH#5 @ 30S	Dec-17
Rotary Bowl Change House	1969	Yes		Dec-16	11	Sink	Concession	0.001	No			Field ID: RBCH#5 @ 5MIN, water main check sample	Dec-17
Rock City Elementary School	1970	Yes		Dec-16	33	Sink	Medical 103	0.003	No			Field ID: RC#1 @ 05	Dec-17
Rock City Elementary School	1966	Yes		Dec-16	33	Kitchen Sink	Staff 136	0.000	No			Field ID: RC#2 @ 05	Dec-17
Rock City Elementary School	1966	Yes		Dec-16	33	Kitchen Sink	Staff 136	0.000	No			Field ID: RC#2 @ 5MIN, water main check sample	Dec-17
Rock City Elementary School	1966	Yes		Dec-16	33	Fountain in Sink	Room 109/B102	0.008	No			Field ID: RC#3 @ 05	Dec-17
Rock City Elementary School	1966	Yes		Dec-16	33	Fountain in Sink	Room 134/B103	0.005	No			Field ID: RC#4 @ 05	Dec-17
Rock City Elementary School	1966	Yes		Dec-16	33	Fountain in Sink	Room 110/B104	0.005	No			Field ID: RC#5 @ 05	Dec-17



REPORT FOR TESTING LEAD CONTENT IN DRINKING WATER OF SCHOOL FACILITIES

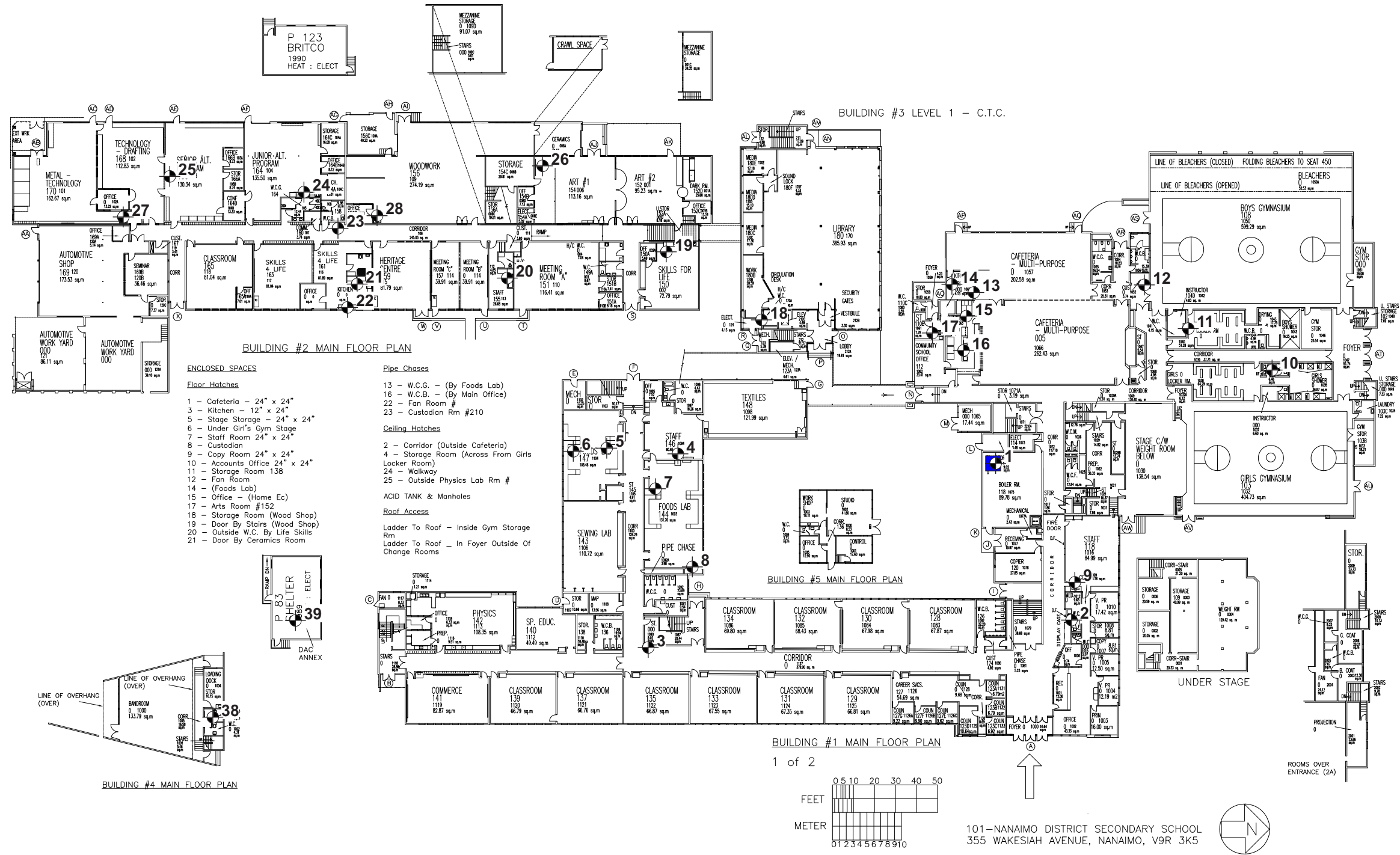
School District Information	
SD No.	68
SD Name	Nanaimo Ladysmith
SD Contact Name:	Brad Stacey
SD Contact Phone:	250 741-5336
Report Date	

Health Authority (HA) Information	
Region	
Contact Name	
Contact Phone	
Report submitted to HA	
Report submission date	

School Name	School Age	Testing Required	If no, describe why	Date of Test (mm/yyyy)	Total Samples	Water Fixture Type	Room Location	Lead Level Result (mg/L)	Exceed Maximum Acceptable Concentrations	Mitigation Strategy Description	Describe Public Communication Plan	Comments	Next scheduled date of testing (mm/yyyy)
Rock City Elementary School	1970	Yes		Dec-16	33	Sink	Library Work RM 130	0.023	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: RC#6 @ OS	Dec-17
Rock City Elementary School	1970	Yes		Dec-16	33	Sink	Library Work RM 130	0.005	No			Field ID: RC#6 @ 30S	Dec-17
Rock City Elementary School	1970	Yes		Dec-16	33	Fountain in Sink	Library 129	0.040	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: RC#7 @ OS	Dec-17
Rock City Elementary School	1970	Yes		Dec-16	33	Fountain in Sink	Library 129	0.004	No			Field ID: RC#7 @ 30S	Dec-17
Rock City Elementary School	1970	Yes		Dec-16	33	Fountain in Sink	Room 114/B106	0.017	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: RC#8 @ OS	Dec-17
Rock City Elementary School	1970	Yes		Dec-16	33	Fountain in Sink	Room 114/B106	0.002	No			Field ID: RC#8 @ 30S	Dec-17
Rock City Elementary School	1970	Yes		Dec-16	33	Fountain in Sink	Room 115/B108	0.030	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: RC#9 @ OS	Dec-17
Rock City Elementary School	1970	Yes		Dec-16	33	Fountain in Sink	Room 115/B108	0.007	No			Field ID: RC#9 @ 30S	Dec-17
Rock City Elementary School	1971	Yes		Dec-16	33	Drinking Fountain	Across from Kitchen 121	0.001	No			Field ID: RC#10 @ OS	Dec-17
Rock City Elementary School	1971	Yes		Dec-16	33	Kitchen Sink	Kitchen 121	0.014	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: RC#11 @ OS	Dec-17
Rock City Elementary School	1971	Yes		Dec-16	33	Kitchen Sink	Kitchen 121	0.005	No			Field ID: RC#11 @ 30S	Dec-17
Rock City Elementary School	1975	Yes		Dec-16	33	Fountain in Sink	Room 214/B207	0.007	No			Field ID: RC#12 @ OS	Dec-17
Rock City Elementary School	1975	Yes		Dec-16	33	Fountain in Sink	Room 209/B208	0.015	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: RC#13 @ OS	Dec-17
Rock City Elementary School	1975	Yes		Dec-16	33	Fountain in Sink	Room 209/B208	0.003	No			Field ID: RC#13 @ 30S	Dec-17
Rock City Elementary School	1975	Yes		Dec-16	33	Fountain in Sink	Room 215/B205	0.012	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: RC#14 @ OS	Dec-17
Rock City Elementary School	1975	Yes		Dec-16	33	Fountain in Sink	Room 215/B205	0.004	No			Field ID: RC#14 @ 30S	Dec-17
Rock City Elementary School	1975	Yes		Dec-16	33	Fountain in Sink	Room 208/B206	0.014	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: RC#15 @ OS	Dec-17
Rock City Elementary School	1975	Yes		Dec-16	33	Fountain in Sink	Room 208/B206	0.001	No			Field ID: RC#15 @ 30S	Dec-17
Rock City Elementary School	1966	Yes		Dec-16	33	Fountain in Sink	Room 203/B204	0.002	No			Field ID: RC#16 @ OS	Dec-17
Rock City Elementary School	1966	Yes		Dec-16	33	Fountain in Sink	Room 219/B203	0.003	No			Field ID: RC#17 @ OS	Dec-17
Rock City Elementary School	1966	Yes		Dec-16	33	Fountain in Sink	Room 202/B202	0.004	No			Field ID: RC#18 @ OS	Dec-17
Rock City Elementary School	1966	Yes		Dec-16	33	Fountain in Sink	Room 221/B201	0.004	No			Field ID: RC#19 @ OS	Dec-17
Rock City Elementary School	1964	Yes		Dec-16	33	Fountain in Sink	Room 102/A103	0.003	No			Field ID: RC#20 @ OS	Dec-17
Rock City Elementary School	1964	Yes		Dec-16	33	Fountain in Sink	Room 103/A102	0.003	No			Field ID: RC#21 @ OS	Dec-17
Rock City Elementary School	1964	Yes		Dec-16	33	Fountain in Sink	Room 106/A101	0.002	No			Field ID: RC#22 @ OS	Dec-17
Rock City Elementary School	1964	Yes		Dec-16	33	Kitchen Sink	Room 109	0.019	Yes	Maintain or add signage for a 2 minute flush first use daily, run water until cold before drinking throughout the day.		Field ID: RC#23 @ OS	Dec-17
Rock City Elementary School	1964	Yes		Dec-16	33	Kitchen Sink	Room 109	0.002	No			Field ID: RC#23 @ 30S	Dec-17

FIGURES

Figure 1a	Nanaimo District Secondary School Sample Locations - Main
Figure 1b	Nanaimo District Secondary School Sample Locations - Upper
Figure 2a	District Administration Center Sample Locations – Main
Figure 2b	District Administration Center Sample Locations – Lower
Figure 3	Rotary Bowl Change House Sample Locations
Figure 4	Bayview Elementary Sample Locations
Figure 5	Chase River Elementary Sample Locations
Figure 6a	Rock City Elementary Sample Locations – Main
Figure 6b	Rock City Elementary Sample Locations – Upper
Figure 7	Pleasant Valley Elementary Sample Locations
Figure 8	Ladysmith Intermediate School Sample Locations
Figure 9	Ladysmith Primary School Sample Locations
Figure 10	Cheeky Monkey Daycare Sample Locations
Figure 11	North Oyster Elementary School Sample Locations
Figure 12a	John Barsby Community School Sample Locations – Main
Figure 12b	John Barsby Community School Sample Locations – Upper
Figure 13	Fairview Community School Sample Locations
Figure 14	Hammond Bay Elementary Sample Locations



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LEGEND

- Water Entry Point
- Water Sample Location

NOTES

Base data: Floor plan provided by School District 68.

CLIENT

School District 68

DOMESTIC WATER TESTING (LEAD) INVENTORY

Nanaimo District Secondary School Sample Locations - Main

STATUS
ISSUED FOR USE



PROJECT NO. ENW.VENW03011-01	DWN MEZ	CKD SL	APVD DT	REV 0
OFFICE Tt EBA-VANC	DATE March 15, 2017			

Figure 1a

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ENCLOSED SPACES

Floor Hatches

- 1 - Cafeteria - 24" x 24"
- 3 - Kitchen - 12" x 24"
- 5 - Stage Storage - 24" x 24"
- 6 - Under Girl's Gym Stage
- 7 - Staff Room 24" x 24"
- 8 - Custodian
- 9 - Copy Room 24" x 24"
- 10 - Accounts Office 24" x 24"
- 11 - Storage Room 138
- 12 - Fan Room
- 14 - (Foods Lab)
- 15 - Office - (Home Ec)
- 17 - Arts Room #152
- 18 - Storage Room (Wood Shop)
- 19 - Door By Stairs (Wood Shop)
- 20 - Outside W.C. By Life Skills
- 21 - Door By Ceramics Room

Roof Access

- Ladder To Roof - Inside Gym Storage Rm
- Ladder To Roof - In Foyer Outside Of Change Rooms

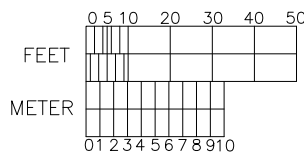
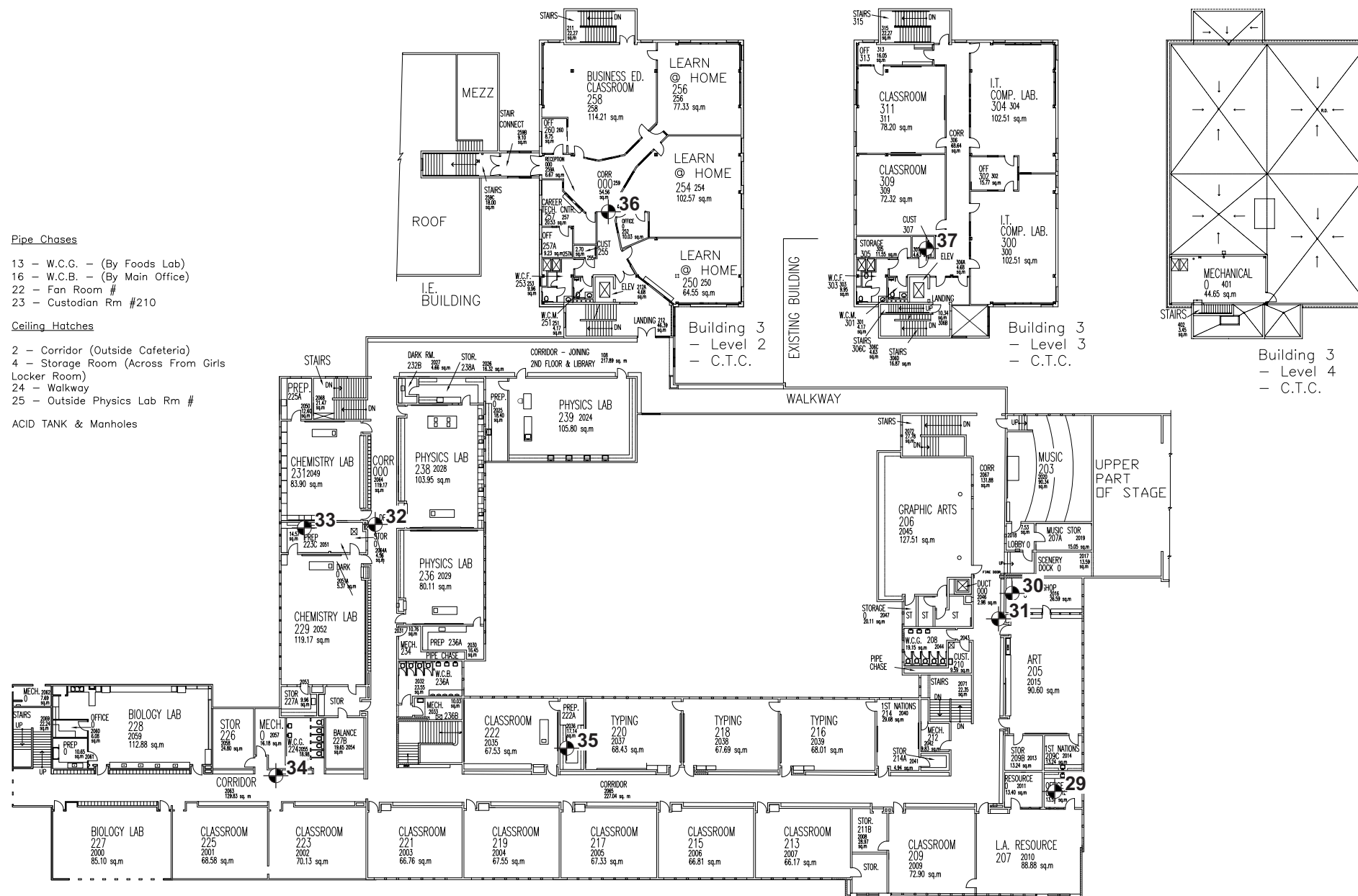
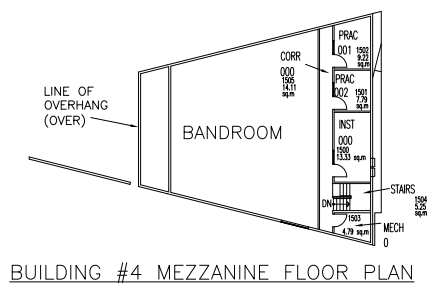
Pipe Chases

- 13 - W.C.G. - (By Foods Lab)
- 16 - W.C.B. - (By Main Office)
- 22 - Fan Room #
- 23 - Custodian Rm #210

Ceiling Hatches

- 2 - Corridor (Outside Cafeteria)
- 4 - Storage Room (Across From Girls Locker Room)
- 24 - Walkway
- 25 - Outside Physics Lab Rm #

ACID TANK & Manholes



101-NANAIMO DISTRICT SECONDARY SCHOOL
355 WAKESIAH AVENUE, NANAIMO, V9R 3K5



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LEGEND

- Water Entry Point
- Water Sample Location

NOTES

Base data: Floor plan provided by School District 68.

STATUS

ISSUED FOR USE

CLIENT

School District 68

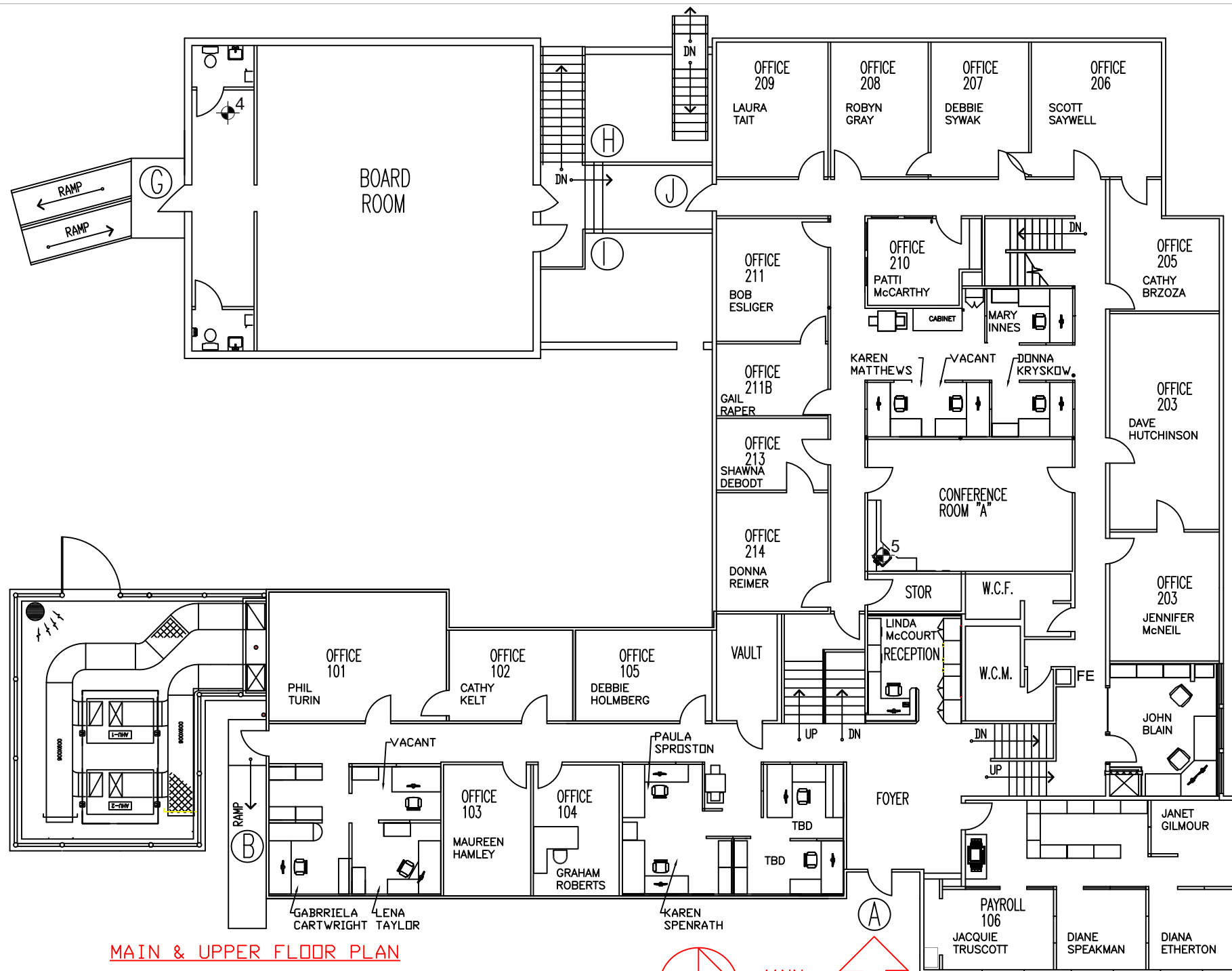
DOMESTIC WATER TESTING (LEAD) INVENTORY

Nanaimo District Secondary School Sample Locations - Upper



PROJECT NO. ENW.VENW03011-01	DWN MEZ	CKD SL	APVD DT	REV 0
OFFICE Tt EBA-VANC	DATE March 15, 2017			

Figure 1b



MAIN & UPPER FLOOR PLAN
 2 of 2
 640-DISTRICT ADMINISTRATION CENTRE
 395 WAKESIAH AVENUE, NANAIMO, V9R 3K5



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LEGEND

- Water Entry Point
- ⊙ Water Sample Location

NOTES

Base data: Floor plan provided by School District 68.

STATUS
ISSUED FOR USE

CLIENT

School District 68

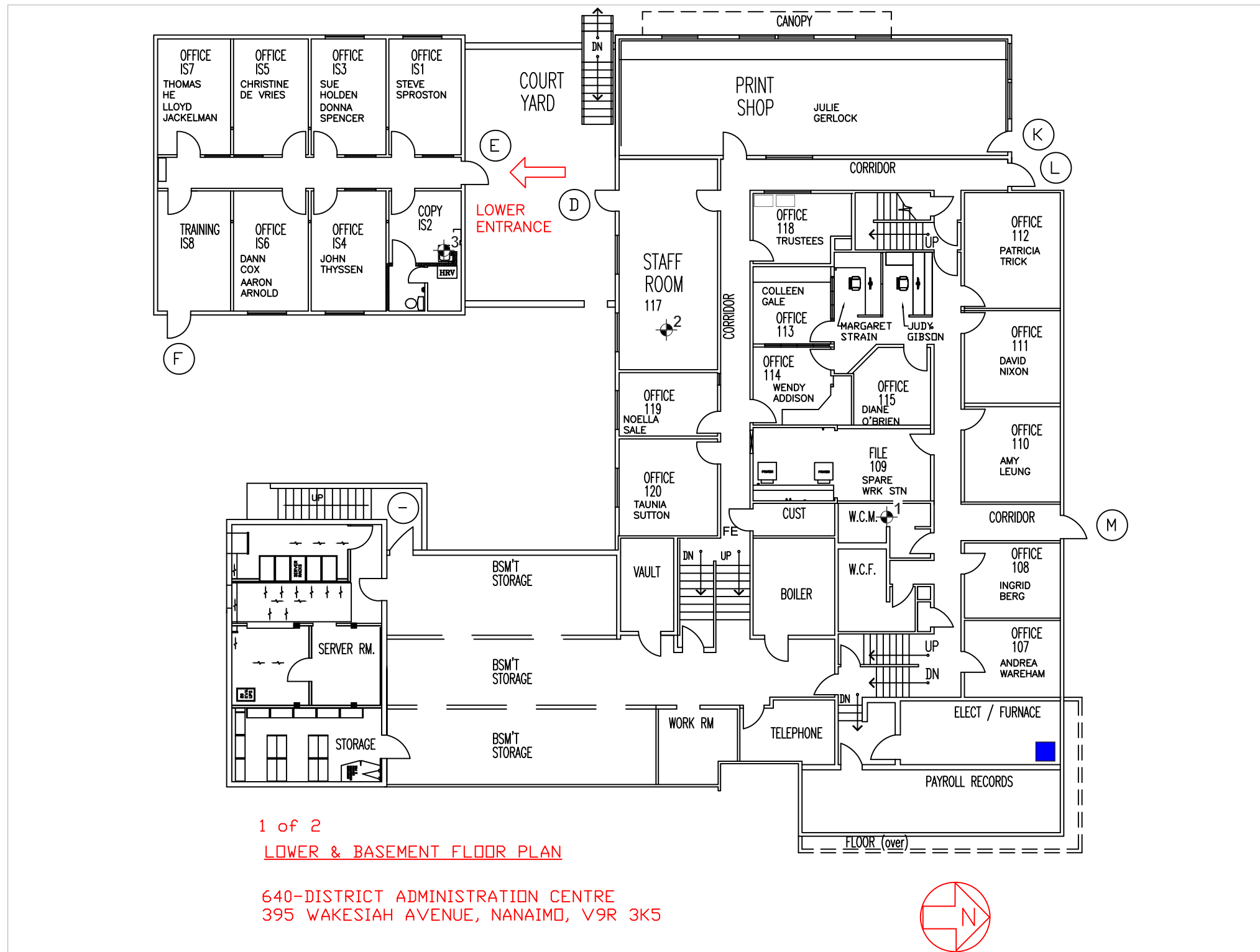


DOMESTIC WATER TESTING (LEAD) INVENTORY

**District Administration Centre
Sample Locations - Main**

PROJECT NO. ENW.VENW03011-01	DWN MEZ	CKD SL	APVD DT	REV 0
OFFICE Tt EBA-VANC	DATE March 15, 2017			

Figure 2a



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LEGEND

- Water Entry Point
- ⊗ Water Sample Location

NOTES
Base data: Floor plan provided by School District 68.

STATUS
ISSUED FOR USE

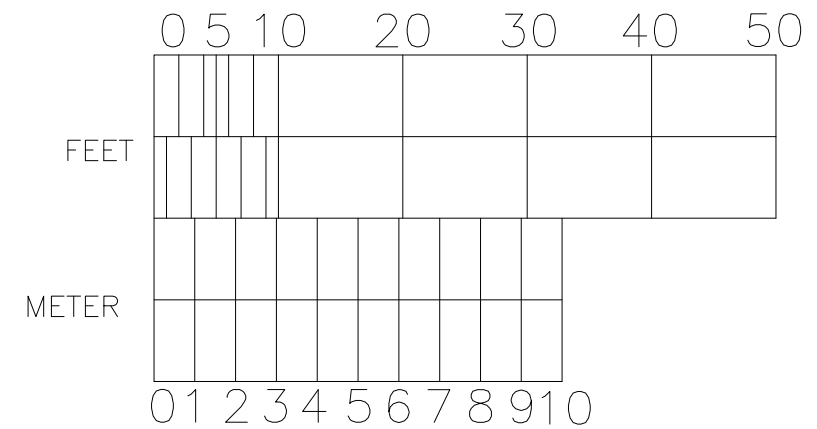
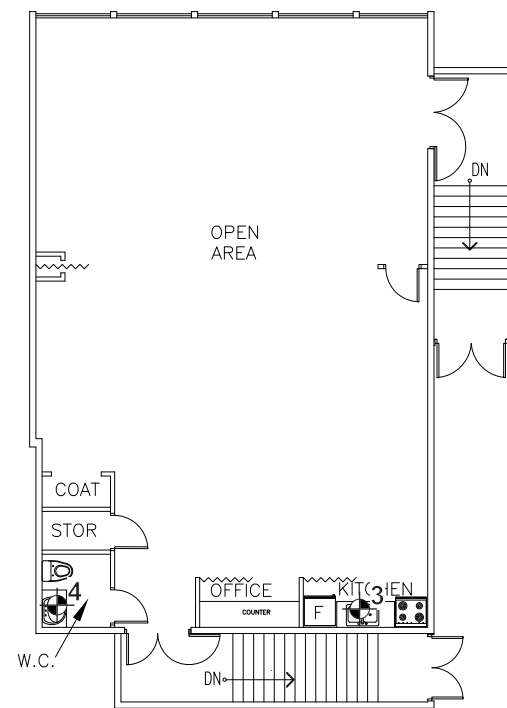
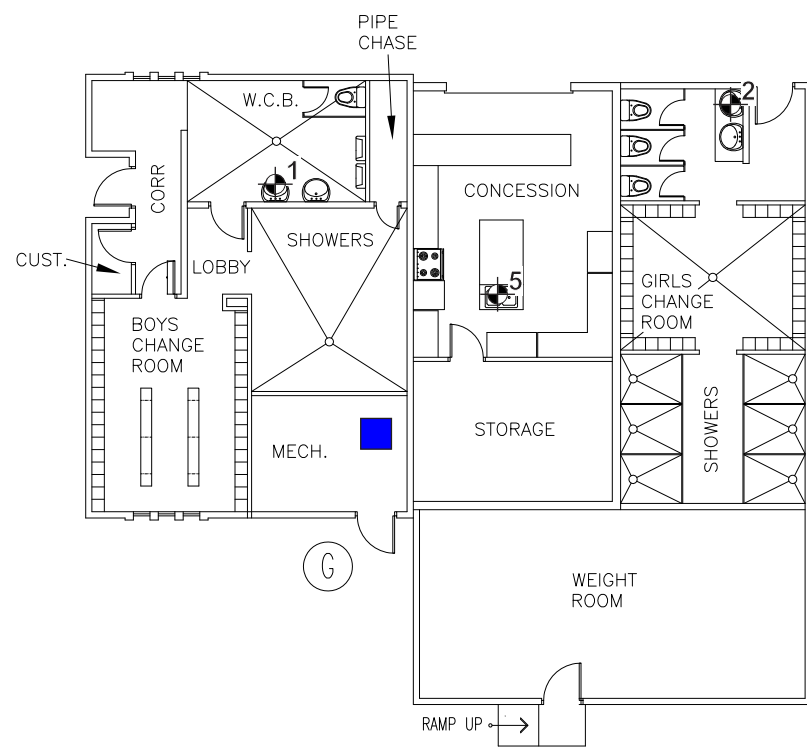
CLIENT
School District 68



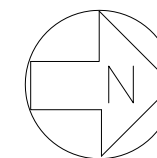
DOMESTIC WATER TESTING (LEAD) INVENTORY
District Administration Centre Sample Locations - Lower

PROJECT NO. ENW.VENW03011-01	DWN MEZ	CKD SL	APVD DT	REV 0
OFFICE Tt EBA-VANC	DATE March 15, 2017			

Figure 2b



FLOOR PLANS



DISTRICT ADMINISTRATION CENTRE
WAKESIAH AVENUE, NANAIMO, V9R 3K5

CHANGE HOUSE

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LEGEND

- Water Entry Point
- ⊙ Water Sample Location

NOTES

Base data: Floor plan provided by School District 68.

STATUS

ISSUED FOR USE

CLIENT

School District 68



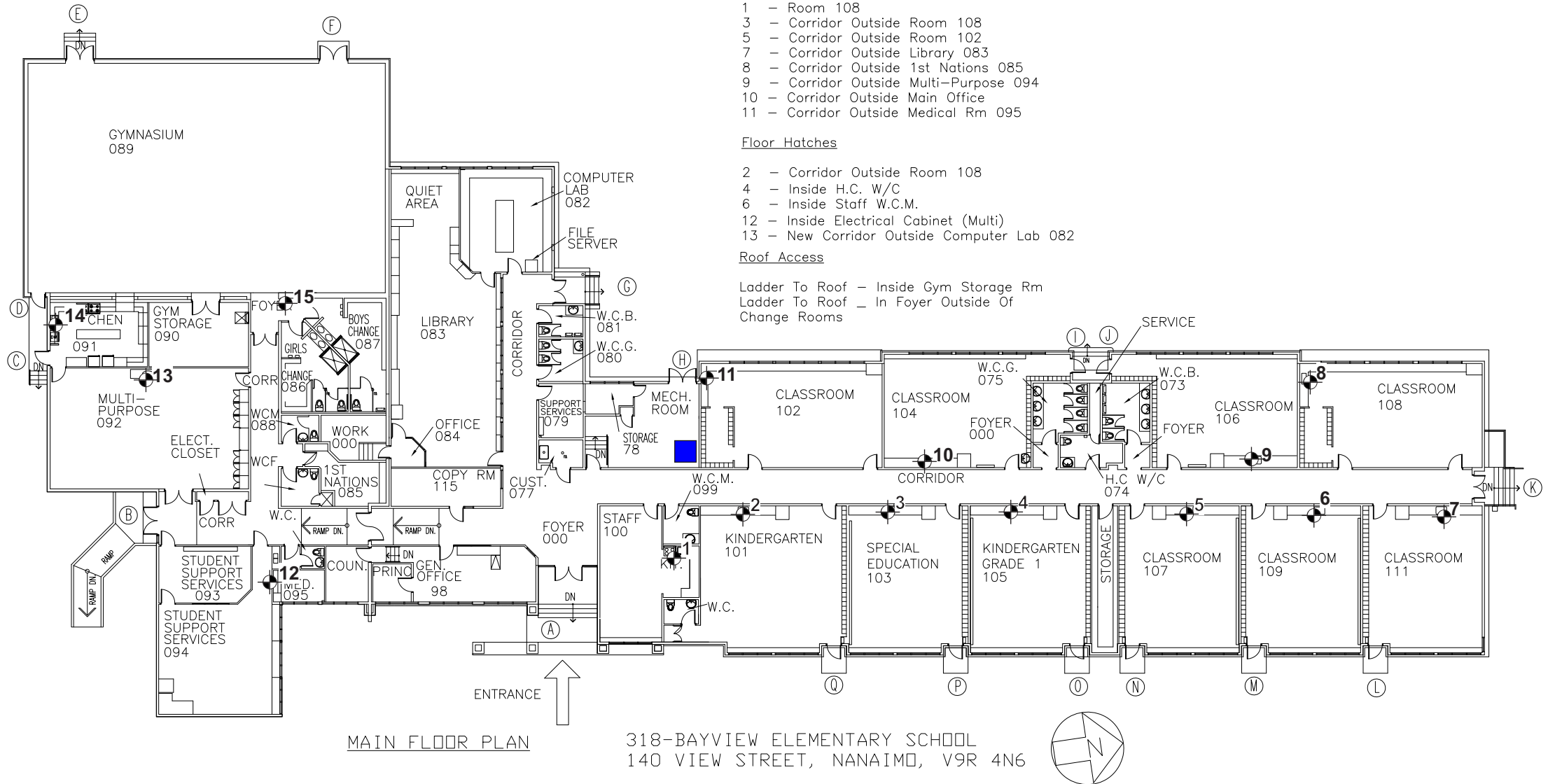
TETRA TECH

DOMESTIC WATER TESTING (LEAD) INVENTORY

Rotary Bowl Change House Sample Locations

PROJECT NO. ENW.VENW03011-01	DWN MEZ	CKD SL	APVD DT	REV 0
OFFICE Tt EBA-VANC	DATE March 15, 2017			

Figure 3



S:\ACAD\-- MASTER CAD FILES 2013\2013 CAD\2013 Floor Plans\Elementary Schools\318 Bayview\Floor Plan\318 Bayview 2013.dwg

Q:\Vancouver\Graphics\704-ENVIRONMENT\ENW\VENW03011-01\VENW03011-01_Figure04_Bayview.cdr

LEGEND

- Water Entry Point
- Water Sample Location

NOTES
 Base data: Floor plan provided by School District 68.

STATUS
 ISSUED FOR USE

CLIENT
 School District 68



DOMESTIC WATER TESTING (LEAD) INVENTORY
Bayview Elementary Sample Locations

PROJECT NO. ENW.VENW03011-01	DWN MEZ	CKD SL	APVD DT	REV 0
OFFICE Tt EBA-VANC	DATE March 15, 2017			

Figure 4

ENCLOSED SPACES

Ceiling Hatches

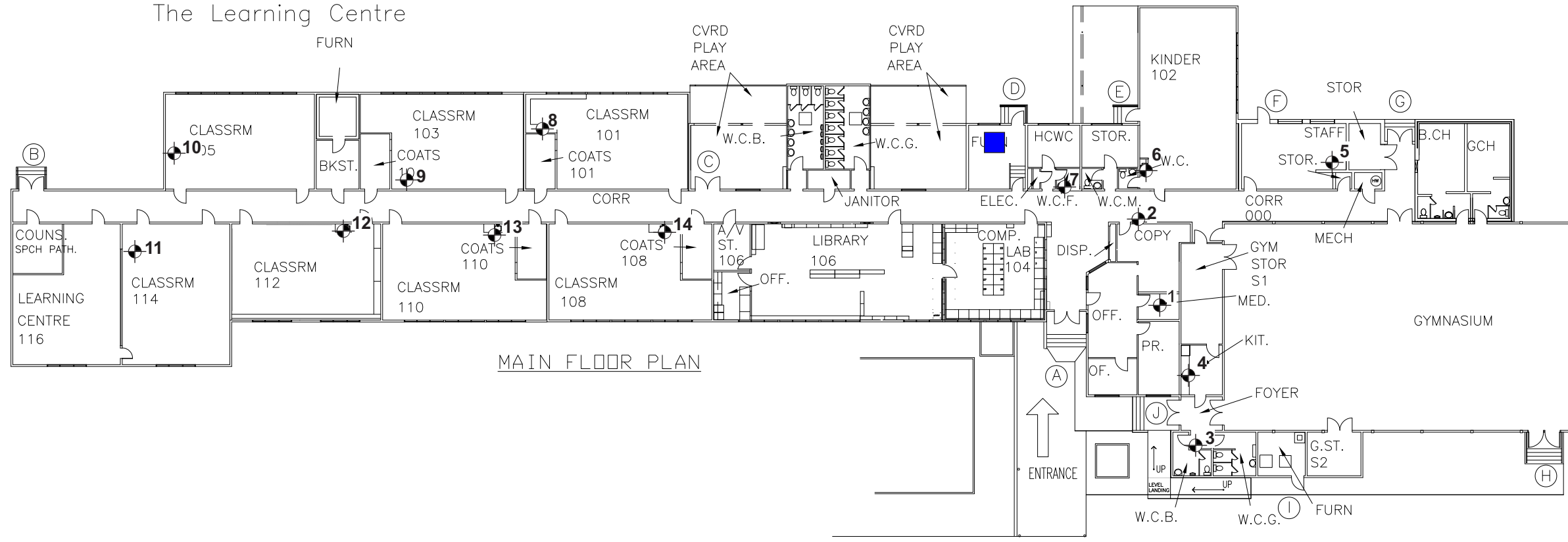
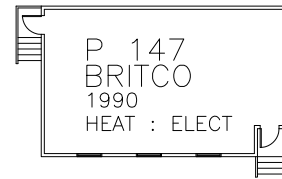
- 1 – Corridor Outside Computer Lab 104
- 2 – Corridor Outside Library 106
- 3 – Corridor Outside Washrooms
- 4 – Corridor Outside Classroom 103
- 5 – Corridor Outside Storage Room By The Learning Centre

Floor Hatches

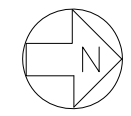
- 6 – Inside Medical Room

Roof Access

Ladder In Outside Furnace Room By Gym



322-CHASE RIVER ELEMENTARY SCHOOL
1503 CRANBERRY AVENUE, NANAIMO, V9R 6R7



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LEGEND

- Water Entry Point
- Water Sample Location

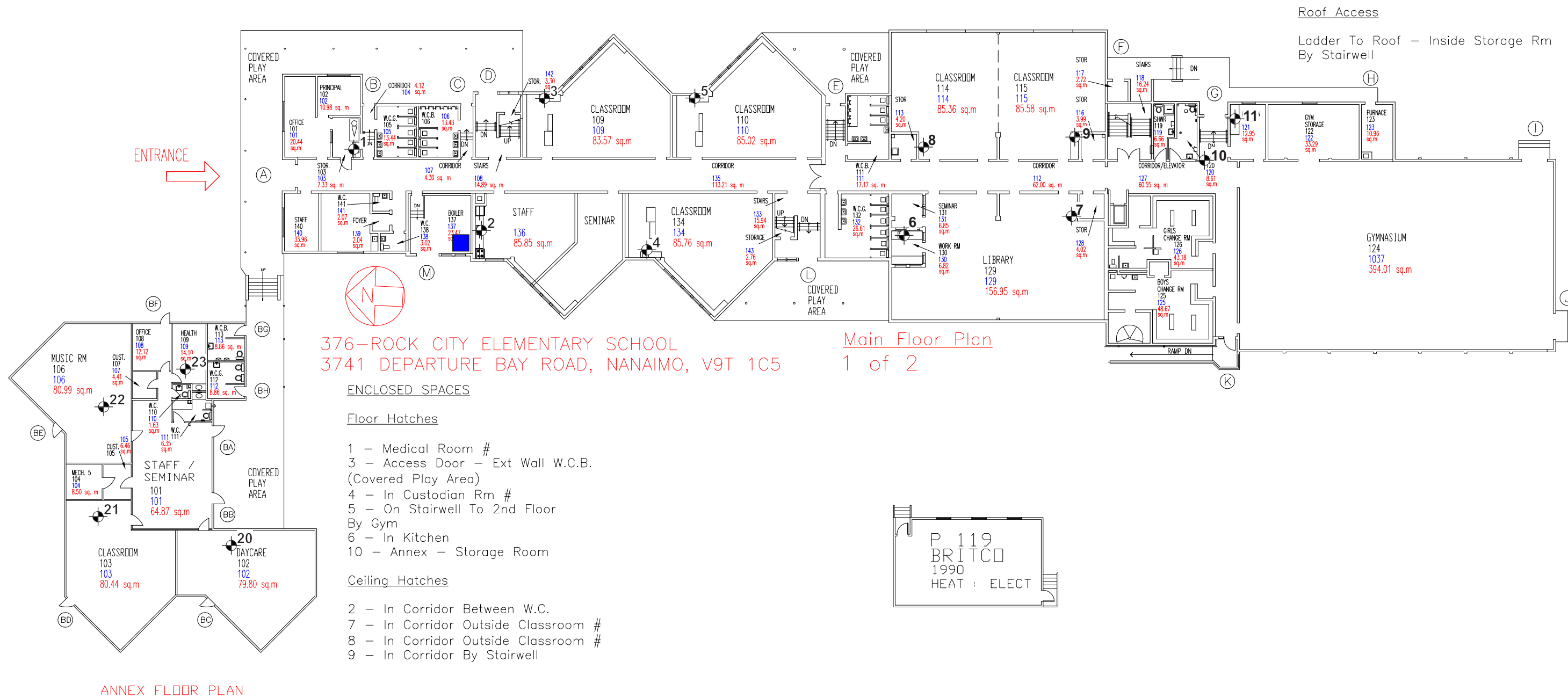
NOTES
Base data: Floor plan provided by School District 68.

STATUS
ISSUED FOR USE

CLIENT
School District 68

TETRA TECH

DOMESTIC WATER TESTING (LEAD) INVENTORY				
Chase River Elementary Sample Locations				
PROJECT NO. ENW.VENW03011-01	DWN MEZ	CKD SL	APVD DT	REV 0
OFFICE Tt EBA-VANC	DATE March 15, 2017			
				Figure 5



Q:\Vancouver\Graphics\704-ENVIRONMENT\ENV\VENW\VENW03011-01\VENW03011-01_Figure06A_RockCity.cdr

LEGEND

- Water Entry Point
- ⊙ Water Sample Location

NOTES

Base data: Floor plan provided by School District 68.

STATUS
ISSUED FOR USE

CLIENT

School District 68

DOMESTIC WATER TESTING (LEAD) INVENTORY

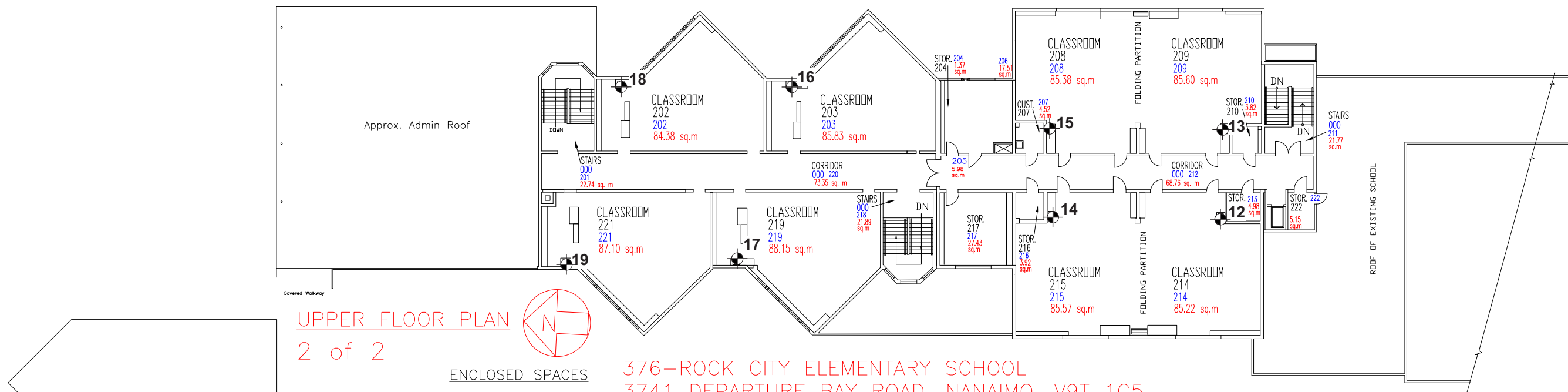
Rock City Elementary Sample Locations - Main



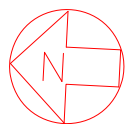
PROJECT NO. ENW.VENW03011-01	DWN MEZ	CKD SL	APVD DT	REV 0
OFFICE Tt EBA-VANC	DATE March 15, 2017			

Figure 6a

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UPPER FLOOR PLAN
2 of 2



376-Rock City Elementary School
3741 DEPARTURE BAY ROAD, NANAIMO, V9T 1C5

ENCLOSED SPACES

Floor Hatches

- 1 - Medical Room #
- 3 - Access Door - Ext Wall W.C.B.
(Covered Play Area)
- 4 - In Custodian Rm #
- 5 - On Stairwell To 2nd Floor
By Gym
- 6 - In Kitchen
- 10 - Annex - Storage Room

Ceiling Hatches

- 2 - In Corridor Between W.C.
- 7 - In Corridor Outside Classroom #
- 8 - In Corridor Outside Classroom #
- 9 - In Corridor By Stairwell

Roof Access

- Ladder To Roof - Inside Storage Rm
By Stairwell

LEGEND

- Water Entry Point
- ⊙ Water Sample Location

NOTES

Base data: Floor plan provided
by School District 68.

STATUS

ISSUED FOR USE

CLIENT

School District 68

DOMESTIC WATER TESTING
(LEAD) INVENTORY

Rock City Elementary
Sample Locations - Upper



PROJECT NO. ENW.VENW03011-01	DWN MEZ	CKD SL	APVD DT	REV 0
OFFICE Tt EBA-VANC	DATE March 15, 2017			

Figure 6b

ENCLOSED SPACES

Ceiling Hatches

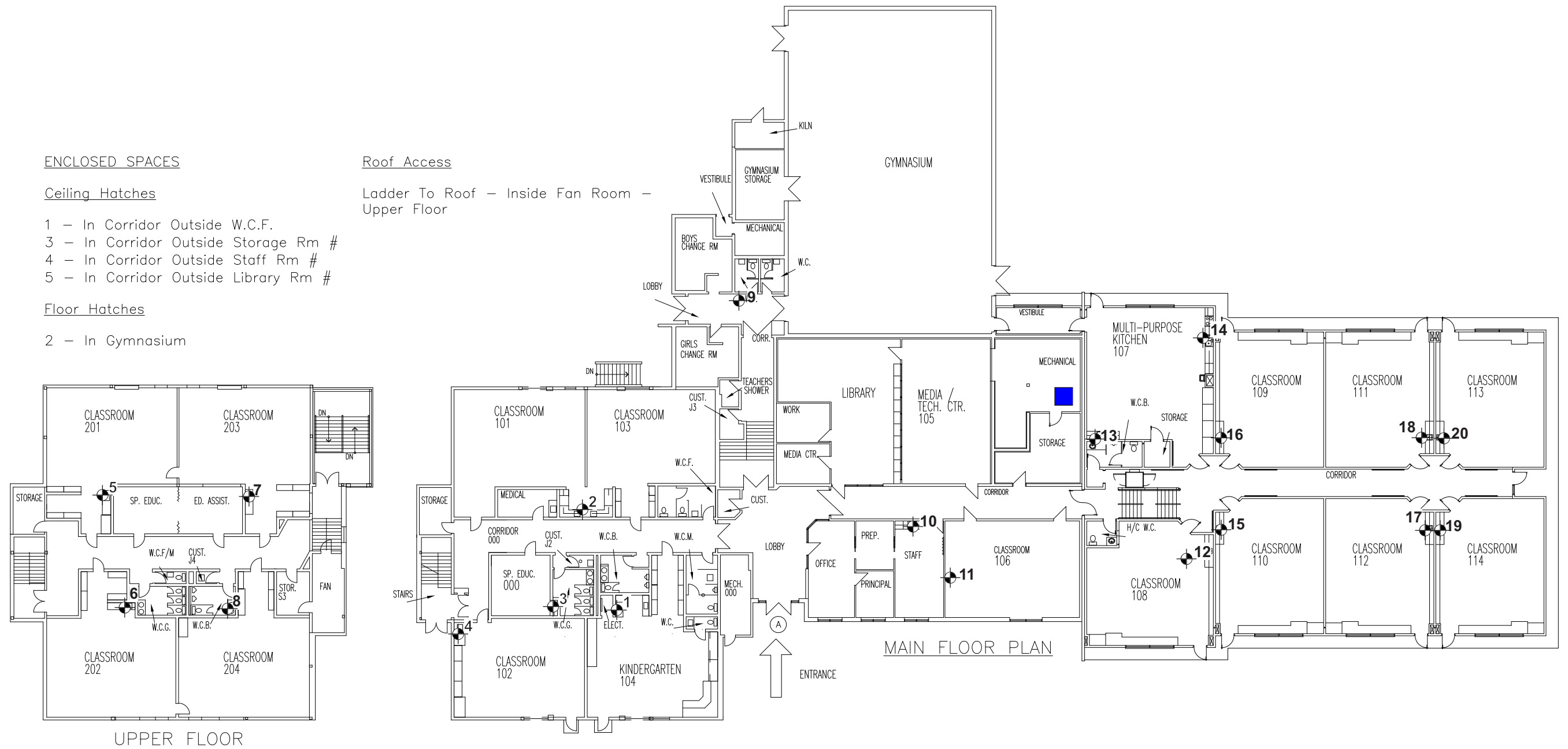
- 1 - In Corridor Outside W.C.F.
- 3 - In Corridor Outside Storage Rm #
- 4 - In Corridor Outside Staff Rm #
- 5 - In Corridor Outside Library Rm #

Floor Hatches

- 2 - In Gymnasium

Roof Access

Ladder To Roof - Inside Fan Room - Upper Floor



366-PLEASANT VALLEY ELEMENTARY SCHOOL
6201 DUNBAR ROAD, NANAIMO, V9T 2P2



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LEGEND

■ Water Entry Point

⊙ Water Sample Location

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NOTES

Base data: Floor plan provided by School District 68.

STATUS

ISSUED FOR USE

CLIENT

School District 68

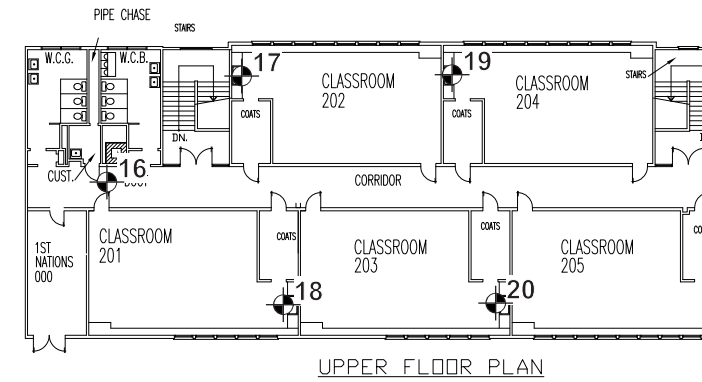
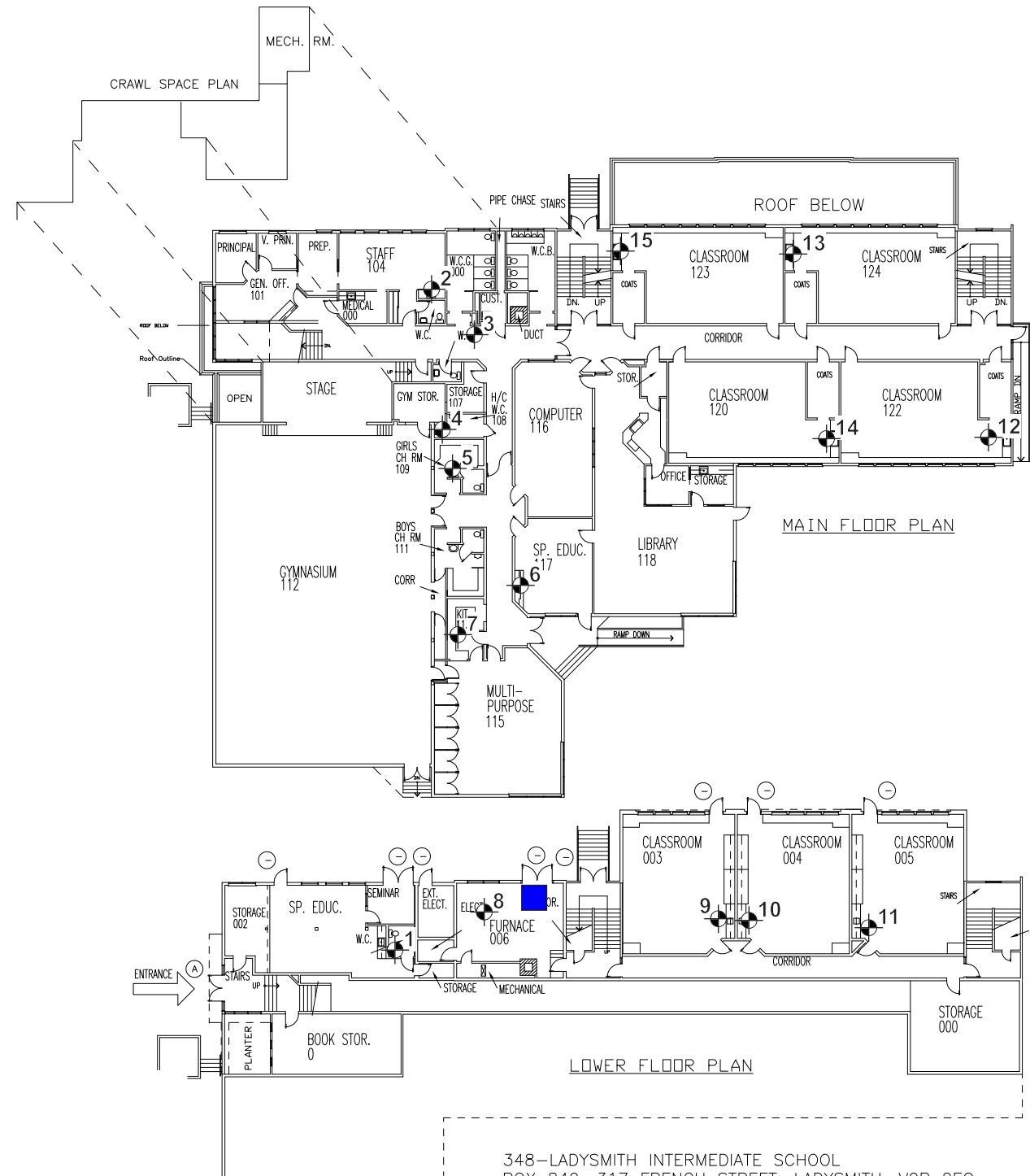
DOMESTIC WATER TESTING (LEAD) INVENTORY

Pleasant Valley Elementary Sample Locations



PROJECT NO. ENW.VENW03011-01	DWN MEZ	CKD SL	APVD DT	REV 0
OFFICE Tt EBA-VANC	DATE March 15, 2017			

Figure 7



ENCLOSED SPACES

Pipe Chase

- 1 - In Custodian Rm #
- 7 - In Custodian Rm #

Ceiling Hatches

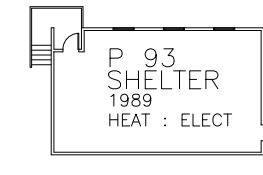
- 2 - In Gym Storage Room #
- 8 - In Corridor Outside 1st Nations Room #
- 9 - In Upper Stairwell By Room # 205
- 10 - In Corridor Outside Room # 205
- 11 - In Corridor Outside Room # 205
- 12 - In Corridor Outside Room # 204
- 13 - In Corridor Outside Room # 202
- 14 - In Corridor Outside Room # 203
- 15 - In Corridor Outside Room # 201
- 16 - In Corridor Outside Upper W.C.G.

Floor Hatches

- 3 - Door Under Gym - Lower Floor
- 4 - Book Storage Rm - Lower Floor
- 5 - Storage Rm # (Under Stairs)
- 6 - Storage Rm # (Under Stairs)

Roof Access

- Ladder To Roof - Inside Custodian Room #



348-LADYSMITH INTERMEDIATE SCHOOL
BOX 849, 317 FRENCH STREET, LADYSMITH, VOR 2E0

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LEGEND

- Water Entry Point
- Water Sample Location

NOTES

Base data: Floor plan provided by School District 68.

STATUS

ISSUED FOR USE

CLIENT

School District 68

DOMESTIC WATER TESTING (LEAD) INVENTORY

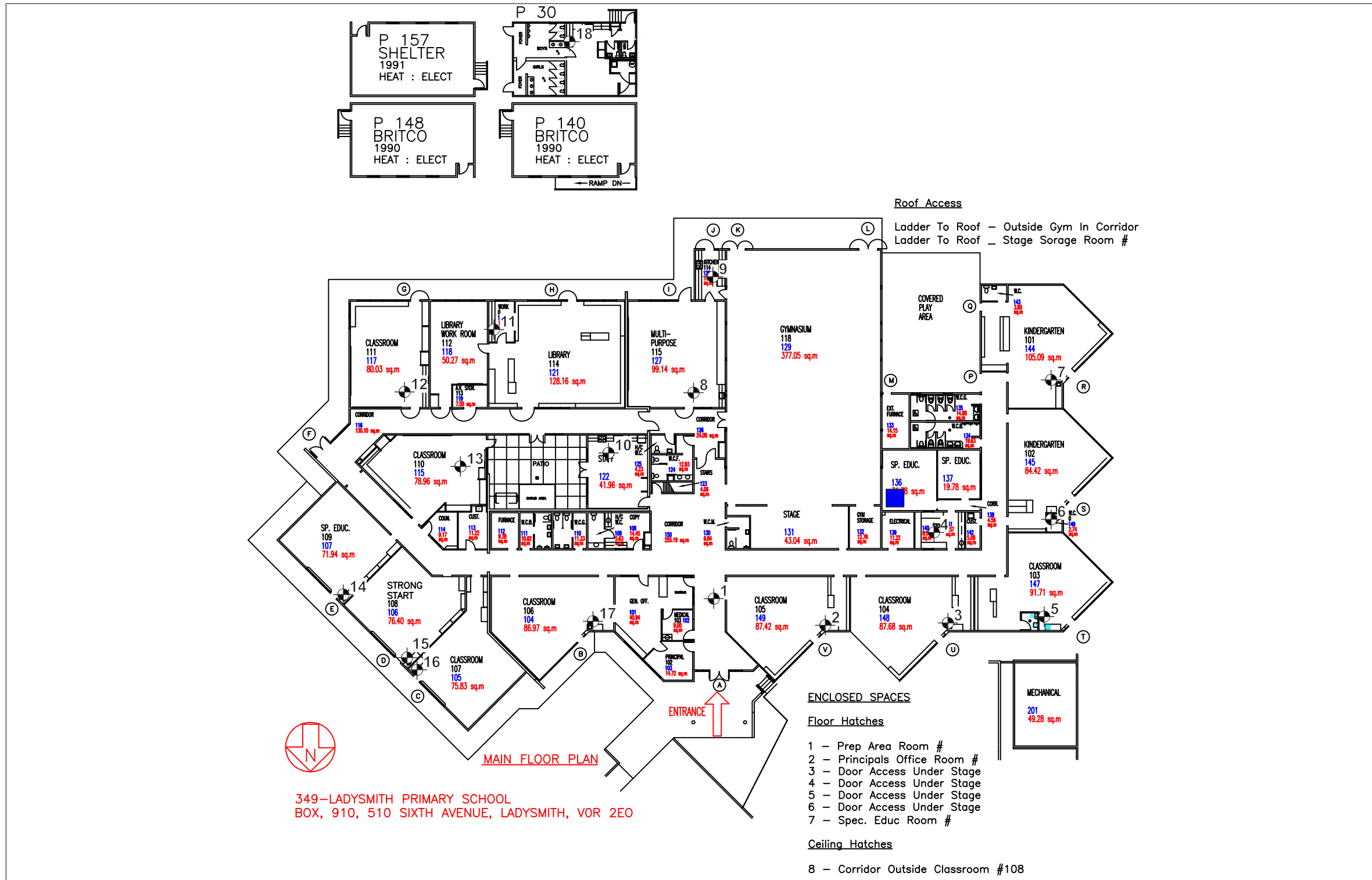
Ladysmith Intermediate School Sample Locations



PROJECT NO. ENW.VENW03011-01	DWN MEZ	CKD SL	APVD DT	REV 0
OFFICE Tt EBA-VANC	DATE March 15, 2017			

Figure 8

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LEGEND

- Water Entry Point
- N Water Sample Location

NOTES
 Base data: Floor plan provided by School District 68.

STATUS
 ISSUED FOR USE

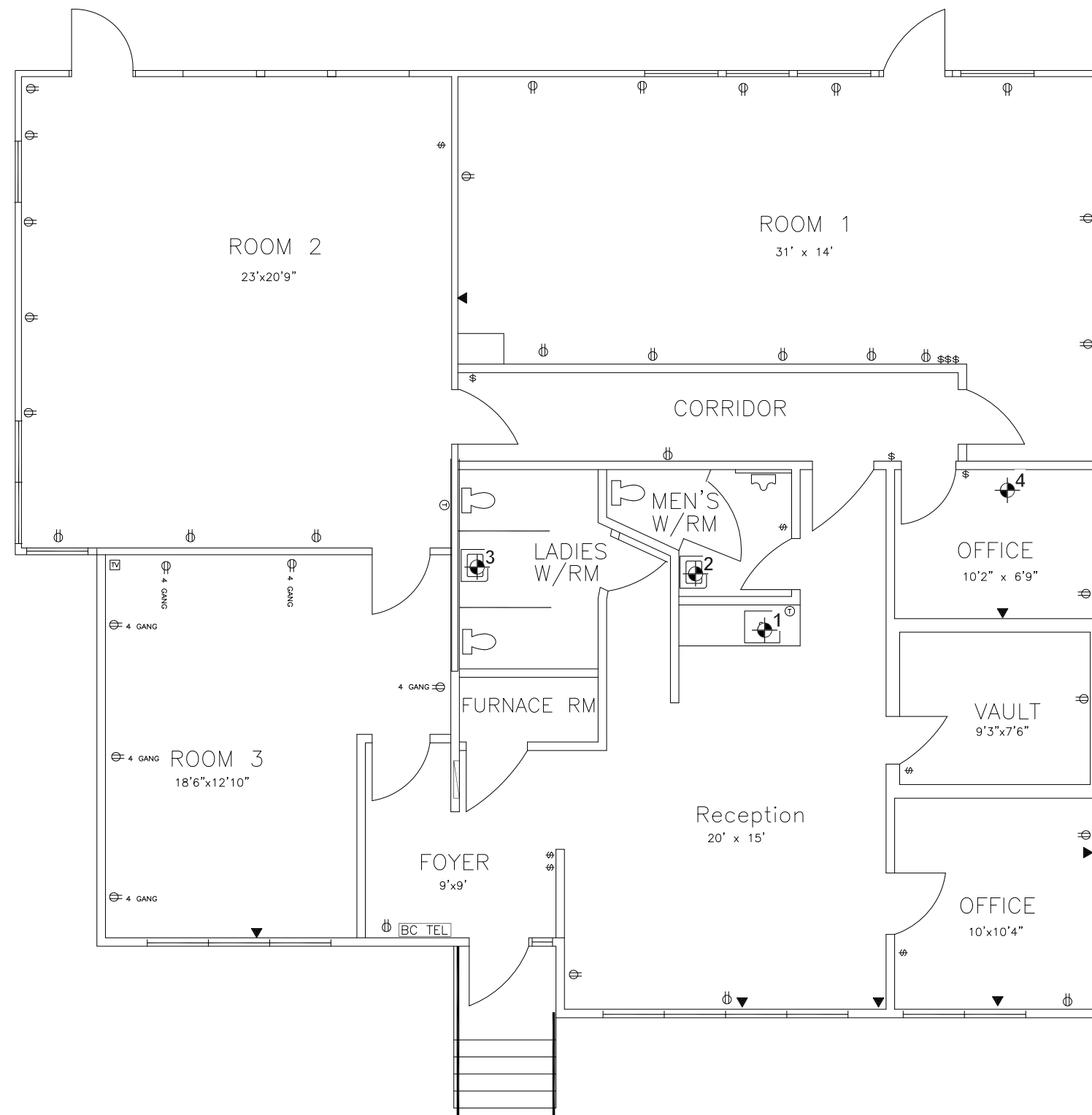
CLIENT
 School District 68



DOMESTIC WATER TESTING (LEAD) INVENTORY
Ladysmith Primary School Sample Locations

PROJECT NO. ENW.VENW03011-01	DWN MEZ	CKD SL	APVD DT	REV 0
OFFICE Tt EBA-VANC	DATE March 15, 2017			

Figure 9



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LEGEND

- Water Entry Point
- ⊕ Water Sample Location

NOTES

Base data: Floor plan provided by School District 68.

STATUS

ISSUED FOR USE

CLIENT

School District 68



DOMESTIC WATER TESTING (LEAD) INVENTORY

Cheeky Monkey Daycare Sample Locations

PROJECT NO. ENW.VENW03011-01	DWN MEZ	CKD SL	APVD DT	REV 0
OFFICE Tt EBA-VANC	DATE March 15, 2017			

Figure 10

ENCLOSED SPACES

Floor Hatches

- 1 - Storage Room #
- 2 - Library Room #
- 3 - Coat Room #
- 5 - Furnace Rm #
- 7 - Kindergarten Rm. #
- 8-11 - Under Stage
- 14 - Gym Stor. #

AHU

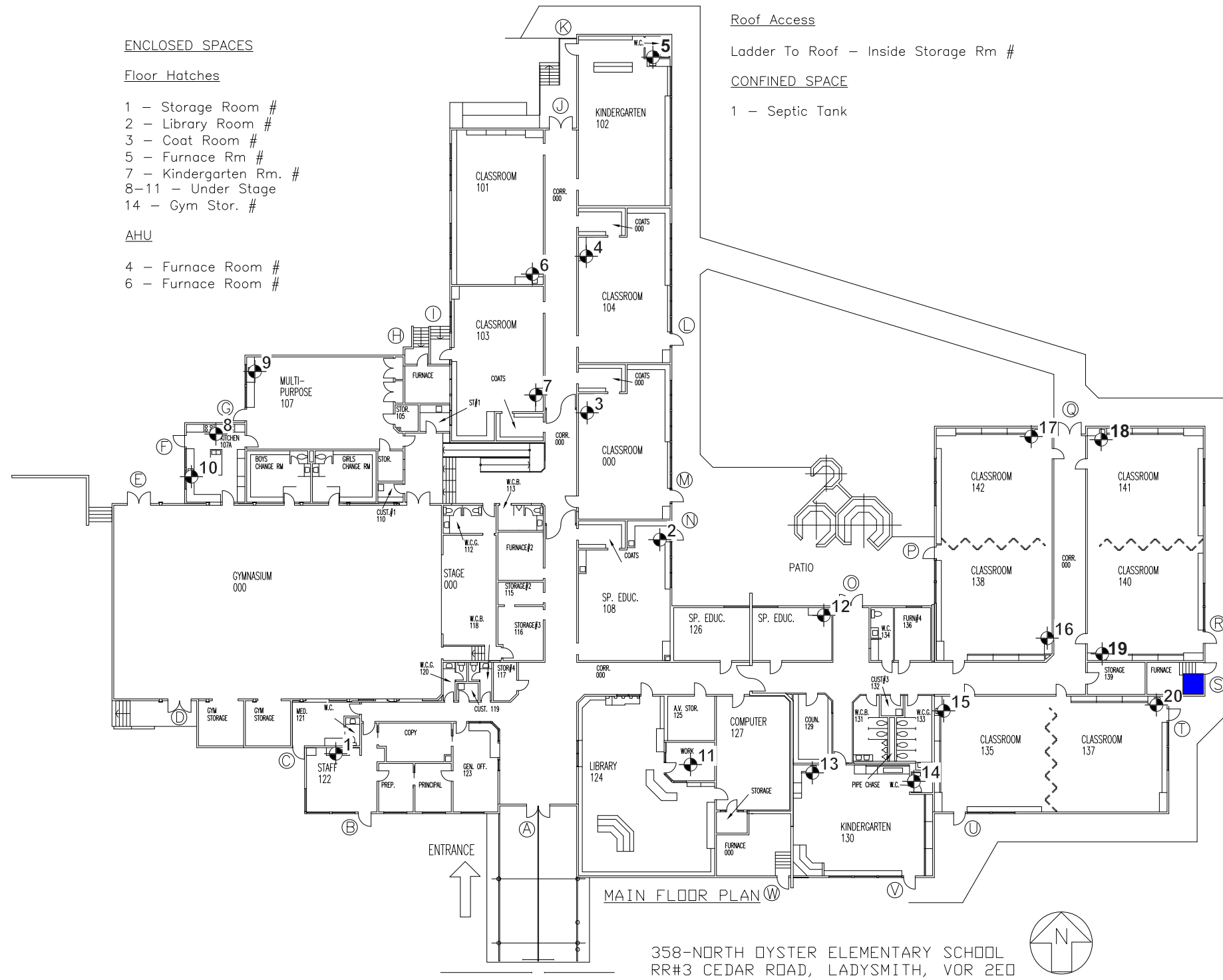
- 4 - Furnace Room #
- 6 - Furnace Room #

Roof Access

Ladder To Roof - Inside Storage Rm #

CONFINED SPACE

- 1 - Septic Tank



MAIN FLOOR PLAN

358-NORTH OYSTER ELEMENTARY SCHOOL
RR#3 CEDAR ROAD, LADYSMITH, VOR 2E0

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LEGEND

- Water Entry Point
- Water Sample Location

NOTES

Base data: Floor plan provided by School District 68.

STATUS

ISSUED FOR USE

CLIENT

School District 68

DOMESTIC WATER TESTING (LEAD) INVENTORY

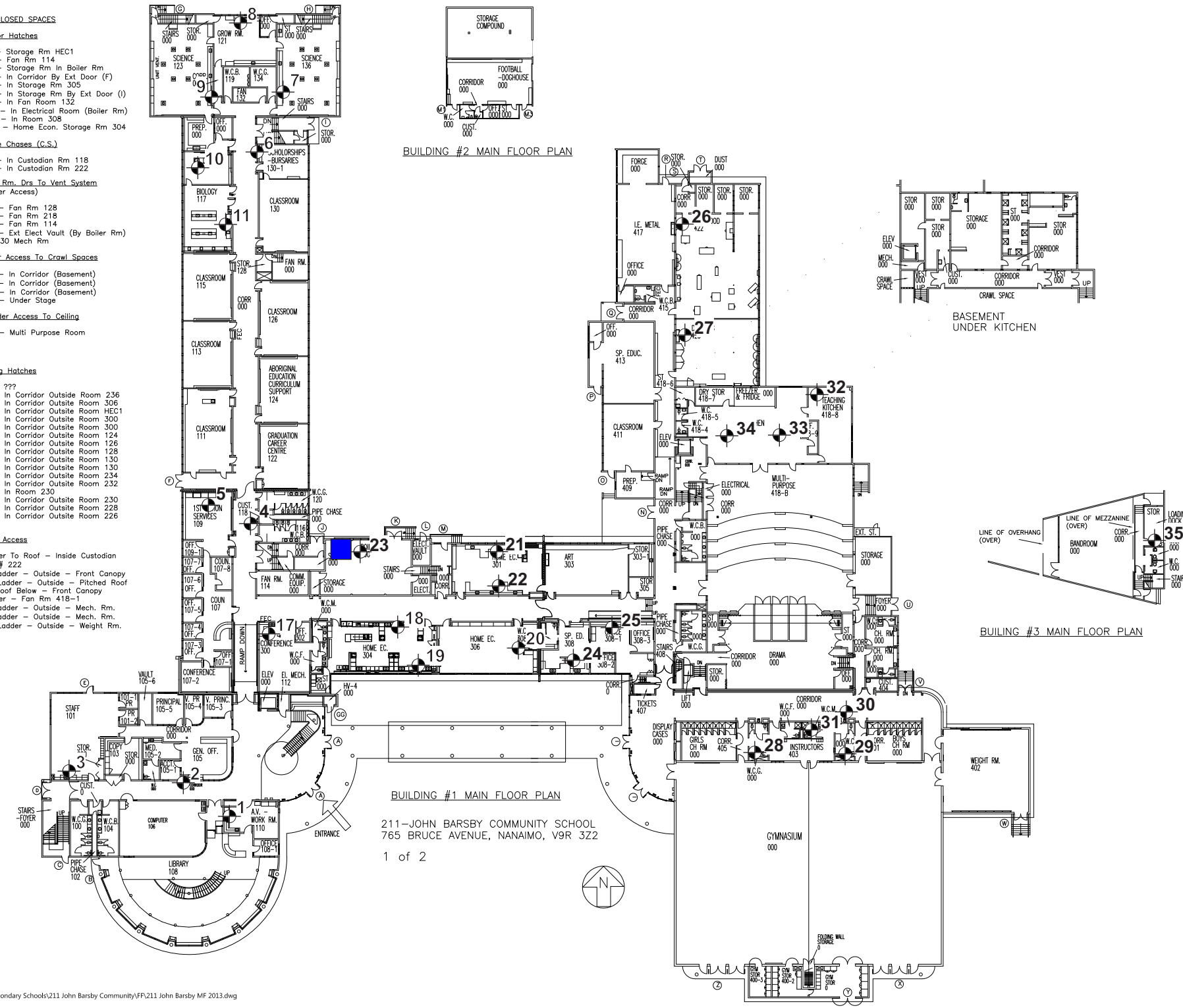
North Oyster Elementary School Sample Locations



PROJECT NO. ENW.VENW03011-01	DWN MEZ	CKD SL	APVD DT	REV 0
OFFICE Tt EBA-VANC	DATE March 15, 2017			

Figure 11

- ENCLOSED SPACES**
- Floor Hatches**
- 1 - Storage Rm HEC1
 - 2 - Fan Rm 114
 - 3 - Storage Rm In Boiler Rm
 - 6 - In Corridor By Ext Door (F)
 - 7 - In Storage Rm 305
 - 8 - In Storage Rm By Ext Door (I)
 - 9 - In Fan Room 132
 - 16 - In Electrical Room (Boiler Rm)
 - 47 - In Room 308
 - *** - Home Econ. Storage Rm 304
- Pipe Chases (C.S.)**
- 4 - In Custodian Rm 118
 - 5 - In Custodian Rm 222
- Fan Rm_Drs To Vent System (Filter Access)**
- 10 - Fan Rm 128
 - 11 - Fan Rm 218
 - 12 - Fan Rm 114
 - 13 - Ext Elect Vault (By Boiler Rm)
 - 23-30 Mech Rm
- Door Access To Crawl Spaces**
- 18 - In Corridor (Basement)
 - 19 - In Corridor (Basement)
 - 20 - In Corridor (Basement)
 - 22 - Under Stage
- Ladder Access To Ceiling**
- 21 - Multi Purpose Room
- Ceiling Hatches**
- 17 - ???
 - 31 - in Corridor Outside Room 236
 - 32 - in Corridor Outside Room 306
 - 33 - in Corridor Outside Room HEC1
 - 34 - in Corridor Outside Room 300
 - 35 - in Corridor Outside Room 300
 - 36 - in Corridor Outside Room 124
 - 37 - in Corridor Outside Room 126
 - 38 - in Corridor Outside Room 128
 - 39 - in Corridor Outside Room 130
 - 40 - in Corridor Outside Room 130
 - 41 - in Corridor Outside Room 234
 - 42 - in Corridor Outside Room 232
 - 43 - in Room 230
 - 44 - in Corridor Outside Room 230
 - 45 - in Corridor Outside Room 228
 - 46 - in Corridor Outside Room 226
- Roof Access**
- Ladder To Roof - Inside Custodian Rm # 222
 - 9' Ladder - Outside - Front Canopy
 - 18' Ladder - Outside - Pitched Roof To Roof Below - Front Canopy
 - Ladder - Fan Rm 418-1
 - 8' Ladder - Outside - Mech. Rm.
 - 8' Ladder - Outside - Mech. Rm.
 - 18' Ladder - Outside - Weight Rm.



BUILDING #1 MAIN FLOOR PLAN
 211-JOHN BARSBY COMMUNITY SCHOOL
 765 BRUCE AVENUE, NANAIMO, V9R 3Z2
 1 of 2

BUILDING #2 MAIN FLOOR PLAN

BASEMENT UNDER KITCHEN

BUILDING #3 MAIN FLOOR PLAN

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LEGEND

- Water Entry Point
- Water Sample Location

NOTES
 Base data: Floor plan provided by School District 68.

STATUS
 ISSUED FOR USE

CLIENT
 School District 68

DOMESTIC WATER TESTING (LEAD) INVENTORY

John Barsby Community School Sample Locations - Main

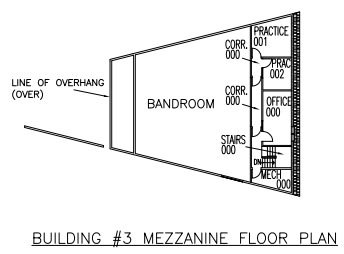
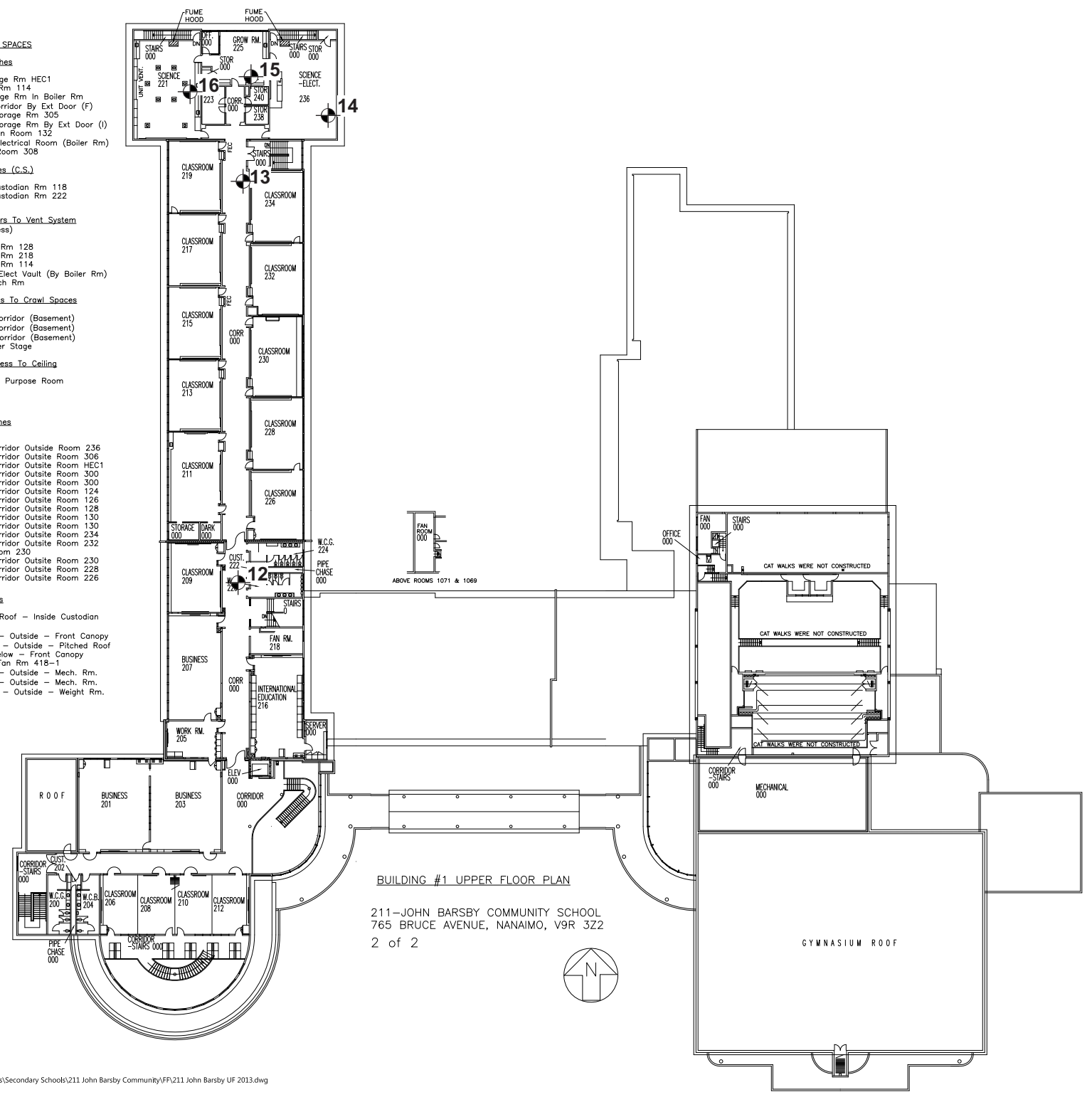


PROJECT NO. ENW.VENW03011-01	DWN MEZ	CKD SL	APVD DT	REV 0
OFFICE Tt EBA-VANC	DATE March 15, 2017			

Figure 12a

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- ENCLOSED SPACES**
- Floor Hatches**
- 1 - Storage Rm HEC1
 - 2 - Fan Rm 114
 - 3 - Storage Rm In Boiler Rm
 - 6 - In Corridor By Ext Door (F)
 - 7 - In Storage Rm 305
 - 8 - In Storage Rm By Ext Door (I)
 - 9 - In Fan Room 132
 - 16 - In Electrical Room (Boiler Rm)
 - 47 - In Room 308
- Pipe Chases (C.S.)**
- 4 - In Custodian Rm 118
 - 5 - In Custodian Rm 222
- Fan Rm Drs To Vent System (Filter Access)**
- 10 - Fan Rm 128
 - 11 - Fan Rm 218
 - 12 - Fan Rm 114
 - 13 - Ext Elect Vault (By Boiler Rm)
 - 23-30 Mech Rm
- Door Access To Crawl Spaces**
- 18 - In Corridor (Basement)
 - 19 - In Corridor (Basement)
 - 20 - In Corridor (Basement)
 - 22 - Under Stage
- Ladder Access To Ceiling**
- 21 - Multi Purpose Room
- Ceiling Hatches**
- 17 - ???
 - 31 - In Corridor Outside Room 236
 - 32 - In Corridor Outside Room 306
 - 33 - In Corridor Outside Room HEC1
 - 34 - In Corridor Outside Room 300
 - 35 - In Corridor Outside Room 300
 - 36 - In Corridor Outside Room 124
 - 37 - In Corridor Outside Room 126
 - 38 - In Corridor Outside Room 128
 - 39 - In Corridor Outside Room 130
 - 40 - In Corridor Outside Room 130
 - 41 - In Corridor Outside Room 234
 - 42 - In Corridor Outside Room 232
 - 43 - In Room 230
 - 44 - In Corridor Outside Room 230
 - 45 - In Corridor Outside Room 228
 - 46 - In Corridor Outside Room 226
- Roof Access**
- Ladder To Roof - Inside Custodian Rm # 222
 - 9' Ladder - Outside - Front Canopy
 - 18' Ladder - Outside - Pitched Roof To Roof Below - Front Canopy
 - Ladder - Fan Rm 418-1
 - 8' Ladder - Outside - Mech. Rm.
 - 8' Ladder - Outside - Mech. Rm.
 - 18' Ladder - Outside - Weight Rm.



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BUILDING #1 UPPER FLOOR PLAN
 211-JOHN BARSBY COMMUNITY SCHOOL
 765 BRUCE AVENUE, NANAIMO, V9R 3Z2
 2 of 2

BUILDING #3 MEZZANINE FLOOR PLAN

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LEGEND

- Water Entry Point
- ⊙ Water Sample Location

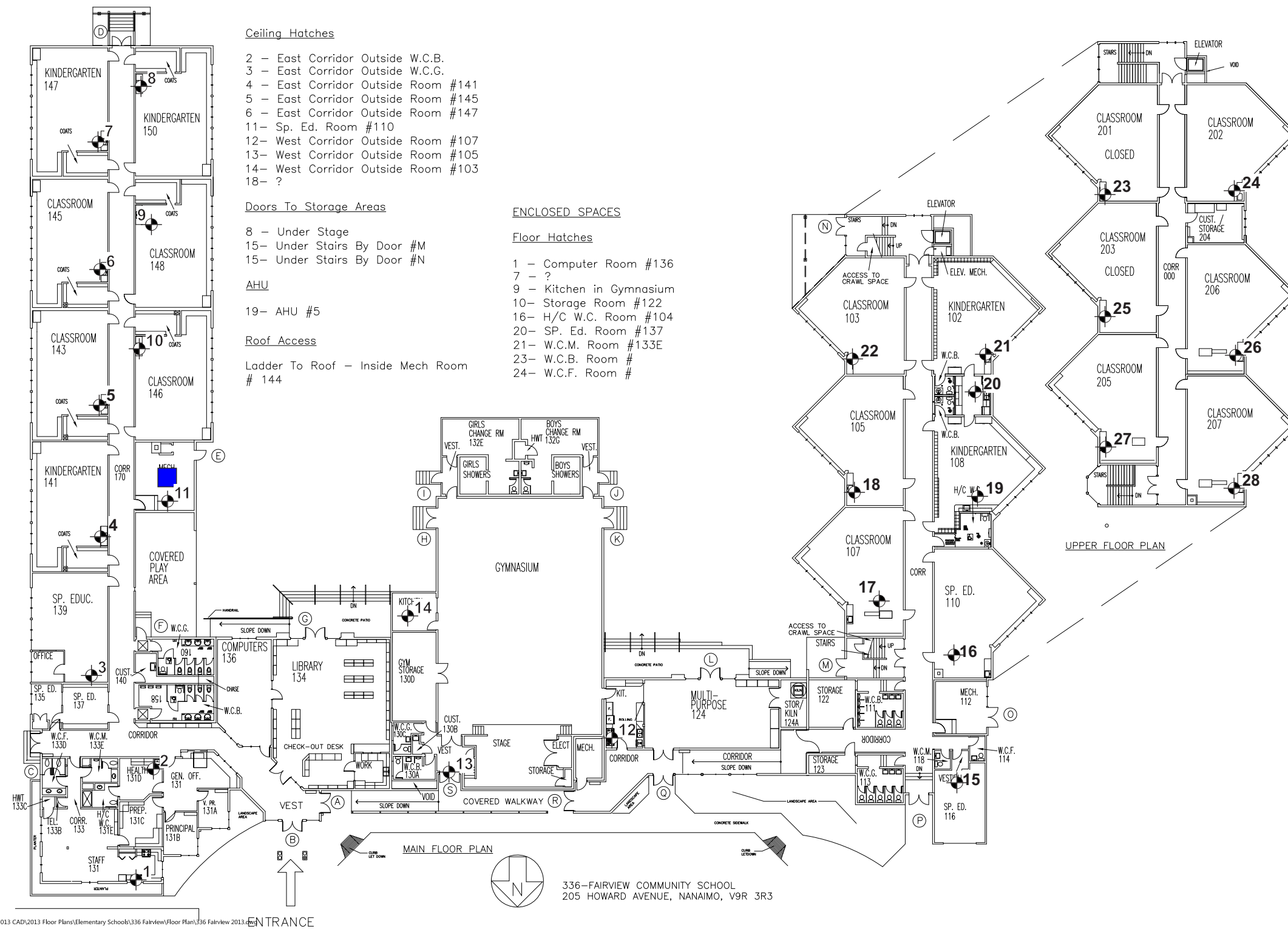
NOTES
 Base data: Floor plan provided by School District 68.

STATUS
 ISSUED FOR USE

CLIENT
 School District 68

TETRA TECH

DOMESTIC WATER TESTING (LEAD) INVENTORY				
John Barsby Community School Sample Locations - Upper				
PROJECT NO. ENW.VENW03011-01	DWN MEZ	CKD SL	APVD DT	REV 0
OFFICE Tt EBA-VANC	DATE March 15, 2017		Figure 12b	



- Ceiling Hatches**
- 2 - East Corridor Outside W.C.B.
 - 3 - East Corridor Outside W.C.G.
 - 4 - East Corridor Outside Room #141
 - 5 - East Corridor Outside Room #145
 - 6 - East Corridor Outside Room #147
 - 11- Sp. Ed. Room #110
 - 12- West Corridor Outside Room #107
 - 13- West Corridor Outside Room #105
 - 14- West Corridor Outside Room #103
 - 18- ?

- Doors To Storage Areas**
- 8 - Under Stage
 - 15- Under Stairs By Door #M
 - 15- Under Stairs By Door #N

- AHU**
- 19- AHU #5

- Roof Access**
- Ladder To Roof - Inside Mech Room # 144

- ENCLOSED SPACES**
- Floor Hatches**
- 1 - Computer Room #136
 - 7 - ?
 - 9 - Kitchen in Gymnasium
 - 10- Storage Room #122
 - 16- H/C W.C. Room #104
 - 20- SP. Ed. Room #137
 - 21- W.C.M. Room #133E
 - 23- W.C.B. Room #
 - 24- W.C.F. Room #

336-FAIRVIEW COMMUNITY SCHOOL
205 HOWARD AVENUE, NANAIMO, V9R 3R3

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LEGEND

- Water Entry Point
- Water Sample Location

NOTES
Base data: Floor plan provided by School District 68.

STATUS
ISSUED FOR USE

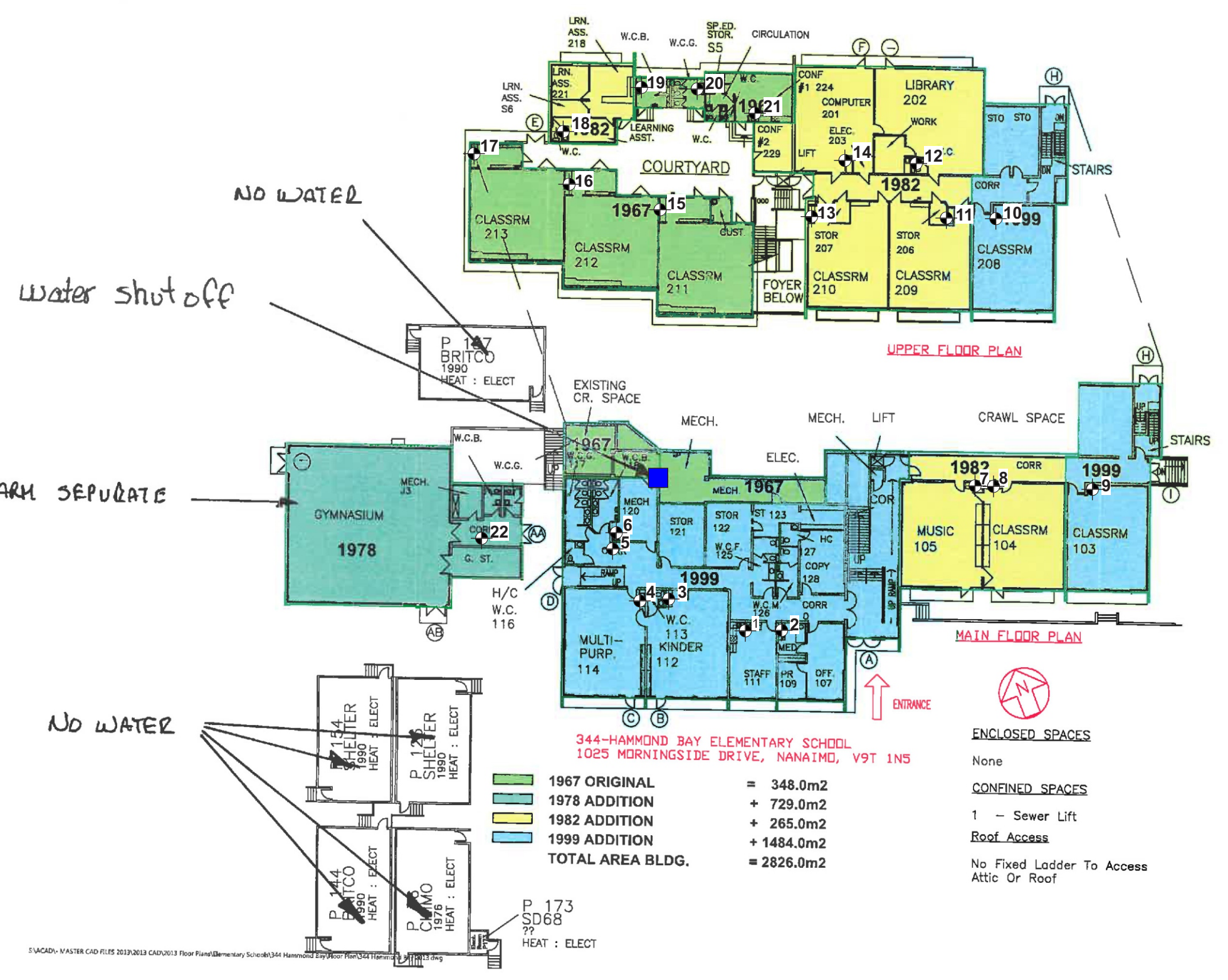
CLIENT
School District 68

DOMESTIC WATER TESTING (LEAD) INVENTORY

Fairview Community School Sample Locations - Upper

PROJECT NO. ENW.VENW03011-01	DWN MEZ	CKD SL	APVD DT	REV 0	Figure 13
OFFICE Tt EBA-VANC	DATE March 15, 2017				





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LEGEND

- Water Entry Point
- ⊙ Water Sample Location

NOTES
 Base data: Floor plan provided by School District 68.

STATUS
 ISSUED FOR USE

CLIENT
 School District 68

TETRA TECH

DOMESTIC WATER TESTING (LEAD) INVENTORY				
Hammond Bay Elementary School Sample Locations				
PROJECT NO. ENW.VENW03011-01	DWN MEZ	CKD SL	APVD DT	REV 0
OFFICE Tt EBA-VANC	DATE March 15, 2017			

Figure 14

APPENDIX A

TETRA TECH'S GENERAL CONDITIONS

GENERAL CONDITIONS

GEOENVIRONMENTAL REPORT

This report incorporates and is subject to these "General Conditions".

1.1 USE OF REPORT AND OWNERSHIP

This report pertains to a specific site, a specific development, and a specific scope of work. It is not applicable to any other sites, nor should it be relied upon for types of development other than those to which it refers. Any variation from the site or proposed development would necessitate a supplementary investigation and assessment.

This report and the assessments and recommendations contained in it are intended for the sole use of TETRA TECH's client. TETRA TECH does not accept any responsibility for the accuracy of any of the data, the analysis or the recommendations contained or referenced in the report when the report is used or relied upon by any party other than TETRA TECH's Client unless otherwise authorized in writing by TETRA TECH. Any unauthorized use of the report is at the sole risk of the user.

This report is subject to copyright and shall not be reproduced either wholly or in part without the prior, written permission of TETRA TECH. Additional copies of the report, if required, may be obtained upon request.

1.2 ALTERNATE REPORT FORMAT

Where TETRA TECH submits both electronic file and hard copy versions of reports, drawings and other project-related documents and deliverables (collectively termed TETRA TECH's instruments of professional service); only the signed and/or sealed versions shall be considered final and legally binding. The original signed and/or sealed version archived by TETRA TECH shall be deemed to be the original for the Project.

Both electronic file and hard copy versions of TETRA TECH's instruments of professional service shall not, under any circumstances, no matter who owns or uses them, be altered by any party except TETRA TECH. The Client warrants that TETRA TECH's instruments of professional service will be used only and exactly as submitted by TETRA TECH.

Electronic files submitted by TETRA TECH have been prepared and submitted using specific software and hardware systems. TETRA TECH makes no representation about the compatibility of these files with the Client's current or future software and hardware systems.

1.3 NOTIFICATION OF AUTHORITIES

In certain instances, the discovery of hazardous substances or conditions and materials may require that regulatory agencies and other persons be informed and the client agrees that notification to such bodies or persons as required may be done by TETRA TECH in its reasonably exercised discretion.

1.4 INFORMATION PROVIDED TO TETRA TECH BY OTHERS

During the performance of the work and the preparation of the report, TETRA TECH may rely on information provided by persons other than the Client. While TETRA TECH endeavours to verify the accuracy of such information when instructed to do so by the Client, TETRA TECH accepts no responsibility for the accuracy or the reliability of such information which may affect the report.

APPENDIX B

LABORATORY CERTIFICATES

Your Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68

Attention:Darren Thomas

TETRA TECH EBA INC.
#1 - 4376 BOBAN DRIVE
NANAIMO, BC
Canada V9T 6A7

Your C.O.C. #: 08433879, 08433880, 08433881, 08433882, 08433883,
08433884

Report Date: 2016/12/15
Report #: R2318072
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B6A9973

Received: 2016/12/07, 10:00

Sample Matrix: DRINKING WATER
Samples Received: 51

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Elements by CRC ICPMS (total)	20	N/A	2016/12/09	BBY7SOP-00003,	BCLM2005,EPA6020bR2m
Elements by CRC ICPMS (total)	27	N/A	2016/12/13	BBY7SOP-00003,	BCLM2005,EPA6020bR2m
Elements by CRC ICPMS (total)	4	N/A	2016/12/14	BBY7SOP-00003,	BCLM2005,EPA6020bR2m

Remarks:

Maxxam Analytics' laboratories are accredited to ISO/IEC 17025:2005 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Maxxam are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Maxxam's profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Maxxam in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported: unless indicated otherwise, associated sample data are not blank corrected.

Maxxam Analytics' liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Maxxam has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Maxxam, unless otherwise agreed in writing.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods. Results relate to samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Your Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68

Attention:Darren Thomas

TETRA TECH EBA INC.
#1 - 4376 BOBAN DRIVE
NANAIMO, BC
Canada V9T 6A7

Your C.O.C. #: 08433879, 08433880, 08433881, 08433882, 08433883,
08433884

Report Date: 2016/12/15
Report #: R2318072
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B6A9973
Received: 2016/12/07, 10:00

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Letitia Prefontaine, B.Sc., Senior Project Manager
Email: LPrefontaine@maxxam.ca
Phone# (604)639-2616
=====

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Maxxam Job #: B6A9973
Report Date: 2016/12/15

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID			QF4444	QF4445	QF4446	QF4447	QF4448		
Sampling Date			2016/12/05	2016/12/05	2016/12/05	2016/12/05	2016/12/05		
COC Number			08433879	08433879	08433879	08433879	08433879		
	UNITS	MAC	NDSS#1 @ 0S	NDSS#1 @ 5MIN	NDSS#2 @ 0S	NDSS#3 @ 0S	NDSS#4 @ 0S	RDL	QC Batch

Total Metals by ICPMS										
Total Lead (Pb)	ug/L	10	8.60	<0.20	0.81	1.78	1.15	0.20	8498977	
No Fill	No Exceedance									
Grey	Exceeds 1 criteria policy/level									
Black	Exceeds both criteria/levels									
RDL = Reportable Detection Limit										

Maxxam ID			QF4449	QF4450	QF4451	QF4452	QF4453	QF4456		
Sampling Date			2016/12/05	2016/12/05	2016/12/05	2016/12/05	2016/12/05	2016/12/05		
COC Number			08433879	08433879	08433879	08433879	08433879	08433880		
	UNITS	MAC	NDSS#5 @ 0S	NDSS#6 @ 0S	NDSS#7 @ 0S	NDSS#8 @ 0S	NDSS#9 @ 0S	NDSS#10 @ 0S	RDL	QC Batch

Total Metals by ICPMS										
Total Lead (Pb)	ug/L	10	2.24	2.05	1.46	1.12	2.01	1.46	0.20	8498977
No Fill	No Exceedance									
Grey	Exceeds 1 criteria policy/level									
Black	Exceeds both criteria/levels									
RDL = Reportable Detection Limit										

Maxxam ID			QF4457	QF4458	QF4459	QF4460	QF4461		
Sampling Date			2016/12/05	2016/12/05	2016/12/05	2016/12/05	2016/12/05		
COC Number			08433880	08433880	08433880	08433880	08433880		
	UNITS	MAC	NDSS#11 @ 0S	NDSS#12 @ 0S	NDSS#13 @ 0S	NDSS#14 @ 0S	NDSS#15 @ 0S	RDL	QC Batch

Total Metals by ICPMS										
Total Lead (Pb)	ug/L	10	27.2	0.88	24.9	6.54	1.70	0.20	8498977	
No Fill	No Exceedance									
Grey	Exceeds 1 criteria policy/level									
Black	Exceeds both criteria/levels									
RDL = Reportable Detection Limit										

Maxxam Job #: B6A9973
Report Date: 2016/12/15

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID			QF4462	QF4463	QF4464	QF4465		QF4466		
Sampling Date			2016/12/05	2016/12/05	2016/12/05	2016/12/05		2016/12/05		
COC Number			08433880	08433880	08433880	08433880		08433881		
	UNITS	MAC	NDSS#16 @ 05	NDSS#17 @ 05	NDSS#18 @ 05	NDSS#19 @ 05	QC Batch	NDSS#20 @ 05	RDL	QC Batch
Total Metals by ICPMS										
Total Lead (Pb)	ug/L	10	1.92	0.72	7.06	2.49	8498977	1.66	0.20	8498981
No Fill	No Exceedance									
Grey	Exceeds 1 criteria policy/level									
Black	Exceeds both criteria/levels									
RDL = Reportable Detection Limit										

Maxxam Job #: B6A9973
Report Date: 2016/12/15

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID			QF4467	QF4468	QF4469	QF4470	QF4471		
Sampling Date			2016/12/05	2016/12/05	2016/12/05	2016/12/05	2016/12/05		
COC Number			08433881	08433881	08433881	08433881	08433881		
	UNITS	MAC	NDSS#21 @ 05	NDSS#22 @ 05	NDSS#23 @ 05	NDSS#24 @ 05	NDSS#25 @ 05	RDL	QC Batch

Total Metals by ICPMS									
Total Lead (Pb)	ug/L	10	1.18	0.75	0.80	2.46	1.91	0.20	8498981
No Fill	No Exceedance								
Grey	Exceeds 1 criteria policy/level								
Black	Exceeds both criteria/levels								
RDL = Reportable Detection Limit									

Maxxam ID			QF4472	QF4473	QF4474	QF4475	QF4476		
Sampling Date			2016/12/05	2016/12/05	2016/12/05	2016/12/05	2016/12/05		
COC Number			08433881	08433881	08433881	08433881	08433882		
	UNITS	MAC	NDSS#26 @ 05	NDSS#27 @ 05	NDSS#28 @ 05	NDSS#29 @ 05	NDSS#30 @05	RDL	QC Batch

Total Metals by ICPMS									
Total Lead (Pb)	ug/L	10	0.85	4.58	7.17	14.7	13.2	0.20	8498981
No Fill	No Exceedance								
Grey	Exceeds 1 criteria policy/level								
Black	Exceeds both criteria/levels								
RDL = Reportable Detection Limit									

Maxxam ID			QF4477	QF4478	QF4479	QF4480	QF4481		
Sampling Date			2016/12/05	2016/12/05	2016/12/05	2016/12/05	2016/12/05		
COC Number			08433882	08433882	08433882	08433882	08433882		
	UNITS	MAC	NDSS#31 @05	NDSS#32 @05	NDSS#33 @05	NDSS#34 @05	NDSS#35 @05	RDL	QC Batch

Total Metals by ICPMS									
Total Lead (Pb)	ug/L	10	11.0	7.55	0.65	0.61	397	0.20	8498981
No Fill	No Exceedance								
Grey	Exceeds 1 criteria policy/level								
Black	Exceeds both criteria/levels								
RDL = Reportable Detection Limit									

Maxxam Job #: B6A9973
Report Date: 2016/12/15

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID			QF4482	QF4483	QF4484	QF4485		QF4487		
Sampling Date			2016/12/05	2016/12/05	2016/12/05	2016/12/05		2016/12/05		
COC Number			08433882	08433882	08433882	08433882		08433883		
	UNITS	MAC	NDSS#36 @0S	NDSS#37 @0S	NDSS#38 @0S	DAC#1 @0S	QC Batch	DAC#1 @5MIN	RDL	QC Batch

Total Metals by ICPMS										
Total Lead (Pb)	ug/L	10	<0.20	0.27	7.63	15.3	8498981	1.17	0.20	8498986

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels
RDL = Reportable Detection Limit	

Maxxam Job #: B6A9973
Report Date: 2016/12/15

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID			QF4488	QF4489	QF4490	QF4491	QF4492	QF4493		
Sampling Date			2016/12/05	2016/12/05	2016/12/05	2016/12/05	2016/12/05	2016/12/05		
COC Number			08433883	08433883	08433883	08433883	08433883	08433883		
	UNITS	MAC	DAC#2 @ 0S	DAC#3 @ 0S	DAC#4 @ 0S	DAC#5 @ 0S	RBCH#1 @ 0S	RBCH#2 @ 0S	RDL	QC Batch

Total Metals by ICPMS										
Total Lead (Pb)	ug/L	10	5.77	1.85	5.32	4.43	9.99	101	0.20	8498986
No Fill	No Exceedance									
Grey	Exceeds 1 criteria policy/level									
Black	Exceeds both criteria/levels									
RDL = Reportable Detection Limit										

Maxxam ID			QF4494	QF4495	QF4496	QF4507		
Sampling Date			2016/12/05	2016/12/05	2016/12/05	2016/12/05		
COC Number			08433883	08433883	08433883	08433884		
	UNITS	MAC	RBCH#3 @ 0S	RBCH#4 @ 0S	RBCH#5 @ 0S	RBCH#5 @ 5MIN	RDL	QC Batch

Total Metals by ICPMS								
Total Lead (Pb)	ug/L	10	33.4	9.05	36.1	1.26	0.20	8498986
No Fill	No Exceedance							
Grey	Exceeds 1 criteria policy/level							
Black	Exceeds both criteria/levels							
RDL = Reportable Detection Limit								

Maxxam Job #: B6A9973
Report Date: 2016/12/15

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	1.3°C
Package 2	1.0°C

MAC: The guidelines that have been included in this report have been taken from the Canadian Drinking Water Quality Summary Table, October 2014.

Criteria A = Maximum Acceptable Concentration (MAC) / Criteria B = Aesthetic Objectives (AO) / Criteria C = Operational Guidance Values (OG)
It is recommended to consult these guidelines when interpreting your data since there are non-numerical guidelines that are not included on this report.

Turbidity Guidelines:

1. Chemically assisted filtration: less than or equal to 0.3 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 1.0 NTU at any time.
2. Slow sand / diatomaceous earth filtration: less than or equal to 1.0 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 3.0 NTU at any time.
3. Membrane filtration: less than or equal to 0.1 NTU in 99% of the measurements made or at least 99% of the time each calendar month. Shall not exceed 0.3 NTU at any time.

Results relate only to the items tested.

Maxxam Job #: B6A9973
Report Date: 2016/12/15

QUALITY ASSURANCE REPORT

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8498977	Total Lead (Pb)	2016/12/09	NC	80 - 120	104	80 - 120	<0.20	ug/L	3.9	20
8498981	Total Lead (Pb)	2016/12/13	104	80 - 120	108	80 - 120	<0.20	ug/L	0.24	20
8498986	Total Lead (Pb)	2016/12/13	102	80 - 120	104	80 - 120	<0.20	ug/L	0.047	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

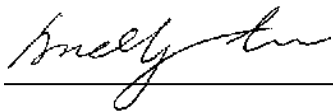
NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than 2x that of the native sample concentration).

Maxxam Job #: B6A9973
Report Date: 2016/12/15

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



Andy Lu, Ph.D., P.Chem., Scientific Specialist

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5. Toll Free (800) 665-8566

CHAIN OF CUSTODY

08433879

BBY FCD-00077/05

Page of

Invoice Information		Report Information (if differs from invoice)		Project Information (where applicable)		Turnaround Time (TAT) Required			
Company Name: Tetra Tech EBA		Company Name:		Quotation #:		<input checked="" type="checkbox"/> Regular TAT 5 days (Most analyses)			
Contact Name: Darren Thomas / Mike Gallo		Contact Name:		P.O. #/ A/E#:		PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS			
Address: #1 - 4376 Boban Drive, Nanaimo		Address:		Project #: ENW.VEN.W03011-01		Rush TAT (Surcharges will be applied)			
BC PC: V8T 6A7		PC:		Site Location: School District 68		<input type="checkbox"/> Same Day <input type="checkbox"/> 2 Days			
Phone: 250-758-2256 / 250-713-8178		Phone:		Site #:		<input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Days			
Email: darren.thomas@tetratech.com		Email: mike.gallo@tetratech.com		Sampled By: Darren Thomas		Date Required:			
Regulatory Criteria		Special Instructions		Analysis Requested		Rush Confirmation #:			
<input type="checkbox"/> BC CSR Soil <input checked="" type="checkbox"/> BC CSR Water <input type="checkbox"/> CCME (Specify) <input type="checkbox"/> Other (Specify) <input checked="" type="checkbox"/> Drinking Water <input type="checkbox"/> BC Water Quality		<input type="checkbox"/> Return Cooler <input type="checkbox"/> Ship Sample Bottles (Please Specify)		<input type="checkbox"/> Volatiles <input type="checkbox"/> HET <input type="checkbox"/> EPH <input type="checkbox"/> MET <input type="checkbox"/> TOC <input type="checkbox"/> BOD <input type="checkbox"/> COD <input type="checkbox"/> Alkalinity <input type="checkbox"/> Ammonia <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> Phosphate <input type="checkbox"/> Silicate <input type="checkbox"/> Chloride <input type="checkbox"/> Fluoride <input type="checkbox"/> Sulfate <input type="checkbox"/> Lead <input type="checkbox"/> Cadmium <input type="checkbox"/> Copper <input type="checkbox"/> Zinc <input type="checkbox"/> Iron <input type="checkbox"/> Manganese <input type="checkbox"/> Nickel <input type="checkbox"/> Selenium <input type="checkbox"/> Silver <input type="checkbox"/> Vanadium <input type="checkbox"/> Molybdenum <input type="checkbox"/> Barium <input type="checkbox"/> Bismuth <input type="checkbox"/> Boron <input type="checkbox"/> Bromine <input type="checkbox"/> Calcium <input type="checkbox"/> Cobalt <input type="checkbox"/> Chromium <input type="checkbox"/> Gallium <input type="checkbox"/> Germanium <input type="checkbox"/> Iodine <input type="checkbox"/> Magnesium <input type="checkbox"/> Manganese <input type="checkbox"/> Mercury <input type="checkbox"/> Molybdenum <input type="checkbox"/> Nickel <input type="checkbox"/> Niobium <input type="checkbox"/> Potassium <input type="checkbox"/> Rubidium <input type="checkbox"/> Strontium <input type="checkbox"/> Tellurium <input type="checkbox"/> Thallium <input type="checkbox"/> Tin <input type="checkbox"/> Vanadium <input type="checkbox"/> Zirconium		<input type="checkbox"/> Filtrated? <input type="checkbox"/> Filtered? <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Field Preserved?		<input type="checkbox"/> Present <input type="checkbox"/> Intact	
<p>SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM</p>									
Sample Identification	Lab Identification	Date Sampled (YYYY/MM/DD)	Time Sampled (HH:MM)	Matrix	# OF CONTAINERS SUBMITTED		# OF CONTAINERS ANALYZED		
1	NDSS#1 @ 0s	12/5/2016		Water					
2	NDSS#1 @ 5min	12/5/2016		Water					
3	NDSS#2 @ 0s	12/5/2016		Water					
4	NDSS#3 @ 0s	12/5/2016		Water					
5	NDSS#4 @ 0s	12/5/2016		Water					
6	NDSS#5 @ 0s	12/5/2016		Water					
7	NDSS#6 @ 0s	12/5/2016		Water					
8	NDSS#7 @ 0s	12/5/2016		Water					
9	NDSS#8 @ 0s	12/5/2016		Water					
10	NDSS#9 @ 0s	12/5/2016		Water					
RELINQUISHED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)		
				<i>Maureen Bethuel</i>		12/16/12/07	10:00		



B6A9973_COC

Burnaby: 4606 Canada Way, Burnaby, BC V5G 3K5. Toll Free (800) 665-8566

Invoice Information		Report Information (if differs from invoice)				Project Information (where applicable)										Lead Time (TAT) Required														
Company Name: Tetra Tech EBA		Company Name:				Quotation #:		<input checked="" type="checkbox"/> Regular TAT 5 days (Most analyses)										PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS												
Contact Name: Darren Thomas / Mike Gallo		Contact Name:				P.O. #/AF#: _____		Rush TAT (Surcharges will be applied)										<input type="checkbox"/> Same Day <input type="checkbox"/> 2 Days												
Address: #1 - 4376 Boban Drive, Nana mo		Address:				Project #: ENW.VENW03011-01		<input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Days										Date Required:												
BC: _____ PC: VBT6A7		PC: _____				Site Location: School District 68																								
Phone: 250-756-2256 / 250-713-9178		Phone:				Site #:																								
Email: darren.thomas@tetratech.com		Email: mike.gallo@tetratech.com				Sampled By: Darren Thomas																								
Regulatory Criteria		Special Instructions				Analysis Requested										Rush Confirmation #:														
<input type="checkbox"/> BC CSR Soil <input checked="" type="checkbox"/> BC CSR Water <input type="checkbox"/> CCME (Specify) <input type="checkbox"/> Other (Specify) <input checked="" type="checkbox"/> Drinking Water <input type="checkbox"/> BC Water Quality		<input type="checkbox"/> Return Cooler <input type="checkbox"/> Ship Sample Bottles (Please Specify)				<input type="checkbox"/> VOC/PH <input type="checkbox"/> TSS <input type="checkbox"/> F2-FA <input type="checkbox"/> Preserved? <input type="checkbox"/> MTBE <input type="checkbox"/> TBA <input type="checkbox"/> LEPT/HEPH <input type="checkbox"/> Preserved? <input type="checkbox"/> PAH <input type="checkbox"/> PCB/F1 <input type="checkbox"/> F2-FA <input type="checkbox"/> Preserved? <input type="checkbox"/> CCME/PHC <input type="checkbox"/> PCB/F1 <input type="checkbox"/> F2-FA <input type="checkbox"/> Preserved? <input type="checkbox"/> Dissolved Metals <input type="checkbox"/> Filtered? <input type="checkbox"/> Preserved? <input type="checkbox"/> Dissolved Mercury <input type="checkbox"/> Filtered? <input type="checkbox"/> Preserved? <input type="checkbox"/> Total Metals <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Total Mercury <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Cyanide <input type="checkbox"/> Fluoride <input type="checkbox"/> Sulfide <input type="checkbox"/> TSS <input type="checkbox"/> BOD <input type="checkbox"/> COD <input type="checkbox"/> <input type="checkbox"/> pH <input type="checkbox"/> Conductivity <input type="checkbox"/> Alkalinity <input type="checkbox"/> Nitrite <input type="checkbox"/> Nitrate <input type="checkbox"/> Ammonia <input type="checkbox"/> LEAD										LABORATORY USE ONLY CUSTODY SEAL Present <input checked="" type="checkbox"/> Intact COOLER TEMPERATURES COOLING MEDIA PRESENT <input checked="" type="checkbox"/> Y / N														
SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM																														
Sample Identification		Lab Identification	Date Sampled (YYYY/MM/DD)	Time Sampled (HH:MM)	Matrix	MTBE	VOC/PH	PAH	CCME/PHC	Dissolved Metals	Dissolved Mercury	Total Metals	Total Mercury	Cyanide	Fluoride	Sulfide	TSS	BOD	COD	pH	Conductivity	Alkalinity	Nitrite	Nitrate	Ammonia	LEAD	OF CONTAINERS SUBMITTED	HOLD - DO NOT ANALYZE	COMMENTS	
1	NDSS#10 @ 0s		12/5/2016		Water																									
2	NDSS#11 @ 0s		12/5/2016		Water																									
3	NDSS#12 @ 0s		12/5/2016		Water																									
4	NDSS#13 @ 0s		12/5/2016		Water																									
5	NDSS#14 @ 0s		12/5/2016		Water																									
6	NDSS#15 @ 0s		12/5/2016		Water																									
7	NDSS#16 @ 0s		12/5/2016		Water																									
8	NDSS#17 @ 0s		12/5/2016		Water																									
9	NDSS#18 @ 0s		12/5/2016		Water																									
10	NDSS#19 @ 0s		12/5/2016		Water																									
RELINQUISHED BY: (Signature/Print)			DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)			DATE: (YYYY/MM/DD)	TIME: (HH:MM)	MAXXAM JOB #																				
					<i>Laurie Beathes</i>			2016/12/07	10:00																					





Invoice Information		Report Information (if differs from invoice)				Project Information (where applicable)				Turnaround Time (TAT) Required											
Company Name: Tetra Tech EBA		Company Name:				Quotation #:				<input checked="" type="checkbox"/> Regular TAT 5 days (Most analyses)											
Contact Name: Darren Thomas / Mike Gallo		Contact Name:				P.O. #/ AFER:				PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS											
Address: #1 - 4376 Boban Drive, Nanaimo		Address:				Project #: ENLW.VENW03011-01				Rush TAT (Surcharges will be applied)											
BC: <u> </u> PC: <u> </u> VBT: 6A7		PCI: <u> </u>				Site Location: School District 68				<input type="checkbox"/> Same Day <input type="checkbox"/> 2 Days											
Phone: 250-756-2256 / 250-713-9178		Phone:				Site #:				<input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Days											
Email: darren.thomas@tetratech.com		Email: mike.gallo@tetratech.com				Sampled By: Darren Thomas				Date Required:											
Regulatory Criteria		Special Instructions				Analysis Requested				Rush Confirmation #:											
<input type="checkbox"/> BC CSR Soil <input checked="" type="checkbox"/> BC CSR Water <input type="checkbox"/> DCME (Specify) <input type="checkbox"/> Other (Specify) <input checked="" type="checkbox"/> Drinking Water <input type="checkbox"/> BC Water Quality		<input type="checkbox"/> Return Cooler <input type="checkbox"/> Ship Sample Bottles (Please Specify)				<input type="checkbox"/> METAL <input type="checkbox"/> TOXICITY <input type="checkbox"/> PCBs <input type="checkbox"/> PAHs <input type="checkbox"/> LEAD <input type="checkbox"/> ALUMINUM <input type="checkbox"/> COPPER <input type="checkbox"/> ZINC <input type="checkbox"/> CADMIUM <input type="checkbox"/> CHLORIDE <input type="checkbox"/> SULFATE <input type="checkbox"/> PHOSPHORUS <input type="checkbox"/> NITRATE <input type="checkbox"/> AMMONIA <input type="checkbox"/> NITRITE <input type="checkbox"/> AMMONIUM <input type="checkbox"/> MERCURY <input type="checkbox"/> CHLORIDE <input type="checkbox"/> SULFATE <input type="checkbox"/> PHOSPHORUS <input type="checkbox"/> NITRATE <input type="checkbox"/> AMMONIA <input type="checkbox"/> NITRITE <input type="checkbox"/> AMMONIUM				<input type="checkbox"/> CUSTOM SEAL Y/N <input type="checkbox"/> COOLER TEMPERATURES <input type="checkbox"/> PRESENT <input type="checkbox"/> INTACT <input type="checkbox"/> COOLING MEDIA PRESENT Y/N											
<p align="center">SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM</p>												<p align="center">LABORATORY USE ONLY</p>									
Sample Identification		Lab Identification	Date Sampled (YYYY/MM/DD)	Time Sampled (HH:MM)	Matrix	BTEX/APH	LEAD	ALUMINUM	COPPER	ZINC	CADMIUM	CHLORIDE	SULFATE	PHOSPHORUS	NITRATE	AMMONIA	NITRITE	AMMONIUM	COOLING MEDIA PRESENT	COMMENTS	
1	NDSS#20 @ 0s		12/5/2016		Water																
2	NDSS#21 @ 0s		12/5/2016		Water																
3	NDSS#22 @ 0s		12/5/2016		Water																
4	NDSS#23 @ 0s		12/5/2016		Water																
5	NDSS#24 @ 0s		12/5/2016		Water																
6	NDSS#25 @ 0s		12/5/2016		Water																
7	NDSS#26 @ 0s		12/5/2016		Water																
8	NDSS#27 @ 0s		12/5/2016		Water																
9	NDSS#28 @ 0s		12/5/2016		Water																
10	NDSS#29 @ 0s		12/5/2016		Water																
RELINQUISHED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)				DATE: (YYYY/MM/DD)	TIME: (HH:MM)												
				<i>Laurel Bestner</i>				2016/12/07	10:00												



B6A9973_COC



Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5. Toll Free (800) 665-8566

CHAIN OF CUSTODY RECORD



08433882

BBY FCD-00077/05

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Invoice Information		Report Information (if differs from invoice)				Project Information (where time (TAT) Required)															
Company Name: Tetra Tech EBA		Company Name:				Quotation #:				<input checked="" type="checkbox"/> Regular TAT 5 days (Most analyses)											
Contact Name: Darren Thomas / Mike Gallo		Contact Name:				P.O. #/ A/F#:				PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS											
Address: #1 - 4378 Boban Drive, Nanaimo		Address:				Project #: ENW.VENW03011-01				Rush TAT (Surcharges will be applied)											
BC PC: VBT 6A7		BC PC:				Site Location: School District 68				<input type="checkbox"/> Same Day <input type="checkbox"/> 2 Days											
Phone: 250-756-2256 / 250-713-9178		Phone:				Site #:				<input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Days											
Email: darren.thomas@tetratech.com		Email: mike.gallo@tetratech.com				Sampled By: Darren Thomas				Date Required:											
Regulatory Criteria		Special Instructions				Analysis Requested															
<input type="checkbox"/> BC CSR Soil <input checked="" type="checkbox"/> BC CSR Water <input type="checkbox"/> CCME (Specify) <input type="checkbox"/> Other (Specify) <input checked="" type="checkbox"/> Drinking Water <input type="checkbox"/> BC Water Quality		<input type="checkbox"/> Return Cooler <input type="checkbox"/> Ship Sample Bottles (Please Specify)				<input type="checkbox"/> 50C/NPH <input type="checkbox"/> Filtration? <input type="checkbox"/> Preservation? <input type="checkbox"/> MTBE <input type="checkbox"/> TPH <input type="checkbox"/> PCBs <input type="checkbox"/> Volatiles? <input type="checkbox"/> Heavy Metals? <input type="checkbox"/> Cyanide <input type="checkbox"/> Sulfide <input type="checkbox"/> COD <input type="checkbox"/> BOD <input type="checkbox"/> PAH <input type="checkbox"/> LPHH/BBH <input type="checkbox"/> TSS <input type="checkbox"/> pH <input type="checkbox"/> Conductivity <input type="checkbox"/> Alkalinity <input type="checkbox"/> Ammonia <input type="checkbox"/> BTEX/T1 <input type="checkbox"/> Filtration? <input type="checkbox"/> Preservation? <input type="checkbox"/> Dissolved Metals <input type="checkbox"/> Filtration? <input type="checkbox"/> Preservation? <input type="checkbox"/> Dissolved Mercury <input type="checkbox"/> Filtration? <input type="checkbox"/> Preservation? <input type="checkbox"/> Total Metals <input type="checkbox"/> Total Mercury <input type="checkbox"/> Chloride <input type="checkbox"/> Fluoride <input type="checkbox"/> Nitrate <input type="checkbox"/> Ammonia <input type="checkbox"/> FOS <input type="checkbox"/> P <input type="checkbox"/> Nitrite <input type="checkbox"/> LEAD															
SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM														LABORATORY USE ONLY CUSTODY SEAL Y/N Present Intact COOLING MEDIA PRESENT Y/N							
Sample Identification		Lab Identification	Date Sampled (YYYY/MM/DD)	Time Sampled (HH:MM)	Matrix	REF/APP	EPA	PAH	CCME-PHC	Dissolved Metals	Dissolved Mercury	Total Metals	Total Mercury	Chloride	FOS	pH	Nitrite	LEAD	# OF CONTAINERS SUBMITTED	HOLD - DO NOT ANALYZE	COMMENTS
1	NDSS#30 @ 0s		12/5/2016		Water																
2	NDSS#31 @ 0s		12/5/2016		Water																
3	NDSS#32 @ 0s		12/5/2016		Water																
4	NDSS#33 @ 0s		12/5/2016		Water																
5	NDSS#34 @ 0s		12/5/2016		Water																
6	NDSS#35 @ 0s		12/5/2016		Water																
7	NDSS#36 @ 0s		12/5/2016		Water																
8	NDSS#37 @ 0s		12/5/2016		Water																
9	NDSS#38 @ 0s		12/5/2016		Water																
10	DAC#1 @ 0s		12/5/2016		Water																
RELINQUISHED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)	MAXXAM JOB #													
				<i>Mike Gallo</i>		2016/12/07	10:00														



B6A9973_COC



Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5. Toll Free (800) 665-8566

CHAIN OF CUSTODY REPORT



BBY FCD-00077/05

Page of

Invoice Information		Report Information (if differs from invoice)			Project Information (where a <u> </u> is indicated, a minimum time [TAT] Required										
Company Name: Tetra Tech EBA		Company Name: <u> </u>			Quotation #: <u> </u>										
Contact Name: Darren Thomas / Mike Gallo		Contact Name: <u> </u>			P.O. #/ AFE#: <u> </u>										
Address: #1 - 4376 Boban Drive, Nanaimo		Address: <u> </u>			Project #: ENW VENW03011-01										
BC: <u> </u> PC: V8T 6A7		BC: <u> </u> PC: <u> </u>			Site Location: School District 68										
Phone: 250-756-2256 / 250-713-9178		Phone: <u> </u>			Site #: <u> </u>										
Email: darren.thomas@tetratech.com		Email: mike.gallo@tetratech.com			Sampled By: Darren Thomas										
<input checked="" type="checkbox"/> Regular TAT 5 days (Most analyses)		PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS													
Rush TAT (Surcharges will be applied)		<input type="checkbox"/> Same Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Days													
Date Required: <u> </u>		Rush Confirmation #: <u> </u>													
Regulatory Criteria		Special Instructions			Analysis Requested										
<input type="checkbox"/> BC CSR Soil <input checked="" type="checkbox"/> BC CSR Water <input type="checkbox"/> ECME (Specify) <input type="checkbox"/> Other (Specify) <u> </u> <input checked="" type="checkbox"/> Drinking Water <input type="checkbox"/> BC Water Quality		<input type="checkbox"/> Return Cooler <input type="checkbox"/> Ship Sample Bottles (Please Specify) <u> </u>			<input type="checkbox"/> VOT/VPH <input type="checkbox"/> Filtered? <input type="checkbox"/> Preserved? <input type="checkbox"/> TEH <input type="checkbox"/> LEPA/NEPA <input type="checkbox"/> F2-F4 <input type="checkbox"/> Preserved? <input type="checkbox"/> BTEX/T1 <input type="checkbox"/> Filtered? <input type="checkbox"/> Preserved? <input type="checkbox"/> Dissolved Metals <input type="checkbox"/> Filtered? <input type="checkbox"/> Preserved? <input type="checkbox"/> Dissolved Mercury <input type="checkbox"/> Filtered? <input type="checkbox"/> Preserved? <input type="checkbox"/> Total Metals <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Total Volatiles <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Chloride <input type="checkbox"/> Sulfate <input type="checkbox"/> pH <input type="checkbox"/> TDS <input type="checkbox"/> Acids <input type="checkbox"/> Conductivity <input type="checkbox"/> Alkalinity <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> Ammonia <input type="checkbox"/> UAP										
SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM															
Sample Identification	Lab Identification	Date Sampled (YYYY/MM/DD)	Time Sampled (HH:MM)	Matrix	WATER	SLURRY	SOIL	SLUDGE	BIOMASS	BIOWASTE	BIOSLUDGE	BIOSOLID	BIOSLUDGE	BIOSOLID	# OF CONTAINERS SUBMITTED
1	DAC#1 @ 5min	12/5/2016		Water											1
2	DAC#2 @ 0s	12/5/2016		Water											1
3	DAC#3 @ 0s	12/5/2016		Water											1
4	DAC#4 @ 0s	12/5/2016		Water											1
5	DAC#5 @ 0s	12/5/2016		Water											1
6	RBCH#1 @ 0s	12/5/2016		Water											1
7	RBCH#2 @ 0s	12/5/2016		Water											1
8	RBCH#3 @ 0s	12/5/2016		Water											1
9	RBCH#4 @ 0s	12/5/2016		Water											1
10	RBCH#5 @ 0s	12/5/2016		Water											1
RELINQUISHED BY: (Signature/Print)		DATE: (YYYY/MM/DD)		TIME: (HH:MM)		RECEIVED BY: (Signature/Print)			DATE: (YYYY/MM/DD)		TIME: (HH:MM)			MAXXAM JOB #	
						<i>[Signature]</i>			2016/12/07		10:00				



B6A9973_COC



Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5. Toll Free (800) 665-8566

CHAIN OF CUSTODY R

08433884

BBY FCD-00077/05
Page _____ of _____

Invoice Information		Report Information (if differs from invoice)				Project Information (where applicable)				Turnaround Time (TAT) Required															
Company Name: <u>Tetra Tech EBA</u>		Company Name: _____				Quotation #: _____				<input checked="" type="checkbox"/> Regular TAT 5 days (Most analyses)															
Contact Name: <u>Darren Thomas / Mike Gallo</u>		Contact Name: _____				P.C. #/ A/F/E#: _____				PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS															
Address: <u>#1 - 4375 Boban Drive, Nanaimo</u>		Address: _____				Project #: <u>ENW.VENW03011-01</u>				Rush TAT (Surcharges will be applied)															
BC _____ PC: <u>V9T 6A7</u>		PC: _____				Site Location: <u>School District 68</u>				<input type="checkbox"/> Same Day <input type="checkbox"/> 2 Days															
Phone: <u>250-756-2256 / 250-713-9178</u>		Phone: _____				Site #: _____				<input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Days															
Email: <u>darren.thomas@tetratech.com</u>		Email: <u>mike.gallo@tetratech.com</u>				Sampled By: <u>Darren Thomas</u>				Date Required: _____															
Regulatory Criteria		Special Instructions		Analysis Requested						Rush Confirmation #:															
<input type="checkbox"/> BC CSR Soil <input checked="" type="checkbox"/> BC CSR Water <input type="checkbox"/> CCME (Specify) <input type="checkbox"/> Other (Specify) _____ <input checked="" type="checkbox"/> Drinking Water <input type="checkbox"/> BC Water Quality		<input type="checkbox"/> Return Cooler <input type="checkbox"/> Ship Sample Bottles (Please Specify) _____		<input type="checkbox"/> Volatile <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> Lead <input type="checkbox"/> TPH <input type="checkbox"/> PCBs <input type="checkbox"/> Dissolved Metals <input type="checkbox"/> Dissolved Mercury <input type="checkbox"/> Total Metals <input type="checkbox"/> Total Mercury <input type="checkbox"/> PAM <input type="checkbox"/> CMR/PC <input type="checkbox"/> Filtered? <input type="checkbox"/> Filtered? <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Fluoride <input type="checkbox"/> Sulfate <input type="checkbox"/> BOD <input type="checkbox"/> Conductivity <input type="checkbox"/> Alkalinity <input type="checkbox"/> Ammonia						LABORATORY USE ONLY CUSTOM SEAL Present Intact COOLER TEMPERATURES COOLING MEDIA PRESENT															
SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM																									
Sample Identification		Lab Identification	Date Sampled (YYYY/MM/DD)	Time Sampled (HH:MM)	Matrix	REF/VOL	UPH	PAM	CMR/PC	Dissolved Metals	Dissolved Mercury	Total Metals	Total Mercury	Chloride	Fluoride	Sulfate	BOD	Conductivity	Alkalinity	Nitrate	Nitrite	LEAD	# OF CONTAINERS SUBMITTED	NOIP - DO NOT ANALYZE	COMMENTS
1	RBCH#5 @ 5min		12/5/2016		Water																	X	1		
2			12/5/2016		Water																	X	1		
3			12/5/2016		Water																	X	1		
4			12/5/2016		Water																	X	1		
5			12/5/2016		Water																	X	1		
6			12/5/2016		Water																	X	1		
7			12/5/2016		Water																	X	1		
8			12/5/2016		Water																	X	1		
9			12/5/2016		Water																	X	1		
10			12/5/2016		Water																	X	1		
RELINQUISHED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)	MAXXAM JOB #																	
				<i>Laurel Bethner</i>		2016/12/07	10:00																		



Your Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68

Attention: Mike Gallo

TETRA TECH EBA INC.
#1 - 4376 BOBAN DRIVE
NANAIMO, BC
Canada V9T 6A7

Your C.O.C. #: 08434036, 08434037, 08434038, 08434039, 08434040,
08434041, 08434042, 08434043

Report Date: 2016/12/20
Report #: R2319885
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B6B1885

Received: 2016/12/14, 09:00

Sample Matrix: DRINKING WATER
Samples Received: 72

Analyses	Date		Laboratory Method	Analytical Method
	Quantity	Extracted		
Elements by CRC ICPMS (total)	47	N/A	2016/12/16 BBY7SOP-00003,	BCLM2005,EPA6020bR2m
Elements by CRC ICPMS (total)	25	N/A	2016/12/17 BBY7SOP-00003,	BCLM2005,EPA6020bR2m

Remarks:

Maxxam Analytics' laboratories are accredited to ISO/IEC 17025:2005 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Maxxam are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Maxxam's profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Maxxam in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported: unless indicated otherwise, associated sample data are not blank corrected.

Maxxam Analytics' liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Maxxam has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Maxxam, unless otherwise agreed in writing.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods. Results relate to samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Your Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68

Attention:Mike Gallo

TETRA TECH EBA INC.
#1 - 4376 BOBAN DRIVE
NANAIMO, BC
Canada V9T 6A7

Your C.O.C. #: 08434036, 08434037, 08434038, 08434039, 08434040,
08434041, 08434042, 08434043

Report Date: 2016/12/20
Report #: R2319885
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B6B1885
Received: 2016/12/14, 09:00

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Letitia Prefontaine, B.Sc., Senior Project Manager
Email: LPrefontaine@maxxam.ca
Phone# (604)639-2616
=====

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Maxxam Job #: B6B1885
Report Date: 2016/12/20

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID			QG5400	QG5401	QG5402	QG5403	QG5404	QG5405		
Sampling Date			2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12		
COC Number			08434036	08434036	08434036	08434036	08434036	08434036		
	UNITS	MAC	DAC ANNEX @ 05	BV#1 @ 05	BV#2 @ 05	BV#3 @ 05	BV#4 @ 05	BV#5 @ 05	RDL	QC Batch

Total Metals by ICPMS										
Total Lead (Pb)	ug/L	10	2.26	2.23	10.3	4.37	6.21	6.70	0.20	8505599
No Fill	No Exceedance									
Grey	Exceeds 1 criteria policy/level									
Black	Exceeds both criteria/levels									
RDL = Reportable Detection Limit										

Maxxam ID			QG5406	QG5407	QG5408		QG5409	QG5411	QG5412		
Sampling Date			2016/12/12	2016/12/12	2016/12/12		2016/12/12	2016/12/12	2016/12/12		
COC Number			08434036	08434036	08434036		08434036	08434037	08434037		
	UNITS	MAC	BV#6 @ 05	BV#7 @ 05	BV#8 @ 05	QC Batch	BV#9 @ 05	BV#10 @ 05	BV#11 @ 05	RDL	QC Batch

Total Metals by ICPMS											
Total Lead (Pb)	ug/L	10	12.3	3.41	3.39	8505599	3.26	6.39	7.73	0.20	8505600
No Fill	No Exceedance										
Grey	Exceeds 1 criteria policy/level										
Black	Exceeds both criteria/levels										
RDL = Reportable Detection Limit											

Maxxam ID			QG5413	QG5414	QG5415	QG5416	QG5417	QG5418		
Sampling Date			2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12		
COC Number			08434037	08434037	08434037	08434037	08434037	08434037		
	UNITS	MAC	BV#11 @ 5MIN	BV#12 @ 05	BV#13 @ 05	BV#14 @ 05	BV#15 @ 05	CR#1 @ 05	RDL	QC Batch

Total Metals by ICPMS										
Total Lead (Pb)	ug/L	10	0.35	21.1	9.39	1.65	6.64	2.65	0.20	8505600
No Fill	No Exceedance									
Grey	Exceeds 1 criteria policy/level									
Black	Exceeds both criteria/levels									
RDL = Reportable Detection Limit										

Maxxam Job #: B6B1885
Report Date: 2016/12/20

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID			QG5419	QG5420	QG5431	QG5432	QG5433	QG5434		
Sampling Date			2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12		
COC Number			08434037	08434037	08434038	08434038	08434038	08434038		
	UNITS	MAC	CR#2 @ OS	CR#3 @ OS	CR#4 @ OS	CR#5 @ OS	CR#6 @ OS	CR#7 @ 5MIN	RDL	QC Batch

Total Metals by ICPMS										
Total Lead (Pb)	ug/L	10	184	1.44	26.7	2.61	18.0	0.99	0.20	8505600

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels
RDL = Reportable Detection Limit	

Maxxam Job #: B6B1885
Report Date: 2016/12/20

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID			QG5435	QG5436	QG5437		QG5438	QG5439	QG5440		
Sampling Date			2016/12/12	2016/12/12	2016/12/12		2016/12/12	2016/12/12	2016/12/12		
COC Number			08434038	08434038	08434038		08434038	08434038	08434038		
	UNITS	MAC	CR#8 @ OS	CR#9 @ OS	CR#10 @ OS	QC Batch	CR#11 @ OS	CR#12 @ OS	CR#13 @ OS	RDL	QC Batch

Total Metals by ICPMS											
Total Lead (Pb)	ug/L	10	9.87	11.7	5.07	8505600	8.33	7.97	7.23	0.20	8505591
No Fill	No Exceedance										
Grey	Exceeds 1 criteria policy/level										
Black	Exceeds both criteria/levels										
RDL = Reportable Detection Limit											

Maxxam ID			QG5462	QG5463	QG5464	QG5465	QG5466	QG5467		
Sampling Date			2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12		
COC Number			08434039	08434039	08434039	08434039	08434039	08434039		
	UNITS	MAC	CR#14 @ OS	RC#1 @ OS	RC#2 @ OS	RC#2 @ 5MIN	RC#3 @ OS	RC#4 @ OS	RDL	QC Batch

Total Metals by ICPMS											
Total Lead (Pb)	ug/L	10	27.8	3.24	0.47	0.25	7.70	5.20	0.20	8505591	
No Fill	No Exceedance										
Grey	Exceeds 1 criteria policy/level										
Black	Exceeds both criteria/levels										
RDL = Reportable Detection Limit											

Maxxam ID			QG5468	QG5469	QG5470	QG5471	QG5485	QG5486	QG5487		
Sampling Date			2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12		
COC Number			08434039	08434039	08434039	08434039	08434040	08434040	08434040		
	UNITS	MAC	RC#5 @ OS	RC#6 @ OS	RC#7 @ OS	RC#8 @ OS	RC#9 @ OS	RC#10 @ OS	RC#11 @ OS	RDL	QC Batch

Total Metals by ICPMS											
Total Lead (Pb)	ug/L	10	5.06	23.4	39.7	16.8	29.6	1.11	14.2	0.20	8505591
No Fill	No Exceedance										
Grey	Exceeds 1 criteria policy/level										
Black	Exceeds both criteria/levels										
RDL = Reportable Detection Limit											

Maxxam Job #: B6B1885
Report Date: 2016/12/20

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID			QG5488	QG5489	QG5490	QG5491		QG5492	QG5493		
Sampling Date			2016/12/12	2016/12/12	2016/12/12	2016/12/12		2016/12/12	2016/12/12		
COC Number			08434040	08434040	08434040	08434040		08434040	08434040		
	UNITS	MAC	RC#12 @ OS	RC#13 @ OS	RC#14 @ OS	RC#15 @ OS	QC Batch	RC#16 @ OS	RC#17 @ OS	RDL	QC Batch

Total Metals by ICPMS											
Total Lead (Pb)	ug/L	10	6.79	14.8	12.0	13.9	8505591	1.94	2.69	0.20	8505594
No Fill	No Exceedance										
Grey	Exceeds 1 criteria policy/level										
Black	Exceeds both criteria/levels										
RDL = Reportable Detection Limit											

Maxxam Job #: B6B1885
Report Date: 2016/12/20

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID			QG5494	QG5496	QG5497	QG5498	QG5499	QG5500	QG5501		
Sampling Date			2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12		
COC Number			08434040	08434041	08434041	08434041	08434041	08434041	08434041		
	UNITS	MAC	RC#18 @ OS	RC#19 @ OS	PV#1 @ OS	PV#2 @ OS	PV#3 @ OS	PV#4 @ OS	PV#5 @ OS	RDL	QC Batch

Total Metals by ICPMS											
Total Lead (Pb)	ug/L	10	4.42	4.05	4.66	15.5	8.41	50.9	9.68	0.20	8505594
No Fill	No Exceedance										
Grey	Exceeds 1 criteria policy/level										
Black	Exceeds both criteria/levels										

RDL = Reportable Detection Limit

Maxxam ID			QG5502	QG5503	QG5504	QG5505	QG5506	QG5507		
Sampling Date			2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12		
COC Number			08434041	08434041	08434041	08434041	08434042	08434042		
	UNITS	MAC	PV#6 @ OS	PV#7 @ OS	PV#8 @ OS	PV#9 @ OS	PV#10 @ OS	PV#11 @ OS	RDL	QC Batch

Total Metals by ICPMS											
Total Lead (Pb)	ug/L	10	21.6	12.4	11.7	23.6	4.47	20.6	0.20	8505594	
No Fill	No Exceedance										
Grey	Exceeds 1 criteria policy/level										
Black	Exceeds both criteria/levels										

RDL = Reportable Detection Limit

Maxxam ID			QG5508	QG5509	QG5510	QG5511	QG5512		
Sampling Date			2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12		
COC Number			08434042	08434042	08434042	08434042	08434042		
	UNITS	MAC	PV#12 @ OS	PV#13 @ OS	PV#13 @ 5MIN	PV#14 @ OS	PV#15 @ OS	RDL	QC Batch

Total Metals by ICPMS									
Total Lead (Pb)	ug/L	10	4.65	3.51	0.99	1.17	5.25	0.20	8505594
No Fill	No Exceedance								
Grey	Exceeds 1 criteria policy/level								
Black	Exceeds both criteria/levels								

RDL = Reportable Detection Limit

Maxxam Job #: B6B1885
Report Date: 2016/12/20

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID			QG5513	QG5514	QG5515	QG5537	QG5538		
Sampling Date			2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12		
COC Number			08434042	08434042	08434042	08434043	08434043		
	UNITS	MAC	PV#16 @ OS	PV#17 @ OS	PV#18 @ OS	PV#19 @ OS	PV#20 @ OS	RDL	QC Batch
Total Metals by ICPMS									
Total Lead (Pb)	ug/L	10	3.69	1.58	2.17	2.76	1.92	0.20	8505599
No Fill	No Exceedance								
Grey	Exceeds 1 criteria policy/level								
Black	Exceeds both criteria/levels								
RDL = Reportable Detection Limit									

Maxxam Job #: B6B1885
Report Date: 2016/12/20

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	1.0°C
Package 2	1.3°C

MAC: The guidelines that have been included in this report have been taken from the Canadian Drinking Water Quality Summary Table, October 2014.

Criteria A = Maximum Acceptable Concentration (MAC) / Criteria B = Aesthetic Objectives (AO) / Criteria C = Operational Guidance Values (OG)
It is recommended to consult these guidelines when interpreting your data since there are non-numerical guidelines that are not included on this report.

Turbidity Guidelines:

1. Chemically assisted filtration: less than or equal to 0.3 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 1.0 NTU at any time.
2. Slow sand / diatomaceous earth filtration: less than or equal to 1.0 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 3.0 NTU at any time.
3. Membrane filtration: less than or equal to 0.1 NTU in 99% of the measurements made or at least 99% of the time each calendar month. Shall not exceed 0.3 NTU at any time.

Results relate only to the items tested.

Maxxam Job #: B6B1885
Report Date: 2016/12/20

QUALITY ASSURANCE REPORT

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8505591	Total Lead (Pb)	2016/12/16	NC	80 - 120	92	80 - 120	<0.20	ug/L	2.0	20
8505594	Total Lead (Pb)	2016/12/16	96	80 - 120	103	80 - 120	<0.20	ug/L	1.7	20
8505599	Total Lead (Pb)	2016/12/16	90	80 - 120	92	80 - 120	<0.20	ug/L	1.4	20
8505600	Total Lead (Pb)	2016/12/17	101	80 - 120	99	80 - 120	<0.20	ug/L	0.89	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

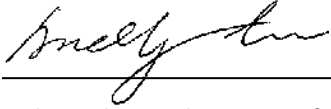
NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than 2x that of the native sample concentration).

Maxxam Job #: B6B1885
Report Date: 2016/12/20

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



Andy Lu, Ph.D., P.Chem., Scientific Specialist

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5. Toll Free (800) 665-8566

Invoice Information		Report Information (If differs from invoice)			Project Information (Where applicable)			Turnaround Time (TAT) Required																	
Company Name: Tetra Tech EBA	Company Name:	Company Name:			Quotation #:			<input checked="" type="checkbox"/> Regular TAT 5 days (Most analyses)																	
Contact Name: Darren Thomas / Mike Gallo	Contact Name:	Contact Name:			P.O. #/ AFE#:			PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS																	
Address: #1 - 4375 Boban Drive, Nanaimo	Address:	Address:			Project #: ENW.VENW03011-01			Rush TAT (Surcharges will be applied)																	
BC PC: V9T 6A7	BC PC:	PC:			Site Location: School District 68			<input type="checkbox"/> Same Day <input type="checkbox"/> 2 Days																	
Phone: 250-756-2256 / 250-713-9178	Phone:	Phone:			Site #:			<input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Days																	
Email: darren.thomas@tetratech.com	Email:	Email: mike.gallo@tetratech.com			Sampled By: Darren Thomas			Date Required:																	
Regulatory Criteria		Special Instructions		Analysis Requested							Rush Confirmation #:														
<input type="checkbox"/> BC CSR Soil <input checked="" type="checkbox"/> BC CSR Water <input type="checkbox"/> CCME (Specify) <input type="checkbox"/> Other (Specify) <input checked="" type="checkbox"/> Drinking Water <input type="checkbox"/> BC Water Quality		<input type="checkbox"/> Return Cooler <input type="checkbox"/> Ship Sample Bottles (Please Specify)		<input type="checkbox"/> VOC/VPIH <input type="checkbox"/> PCBs <input type="checkbox"/> PAHs <input type="checkbox"/> CCME-PIC <input type="checkbox"/> BTEX/FL <input type="checkbox"/> F2-F4 <input type="checkbox"/> Dissolved Metals <input type="checkbox"/> Filtered? <input type="checkbox"/> Preserved? <input type="checkbox"/> Dissolved Mercury <input type="checkbox"/> Filtered? <input type="checkbox"/> Preserved? <input type="checkbox"/> Total Metals <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Total Mercury <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Chloride <input type="checkbox"/> Fluoride <input type="checkbox"/> Silicate <input type="checkbox"/> TSS <input type="checkbox"/> BOD <input type="checkbox"/> COD <input type="checkbox"/> pH <input type="checkbox"/> Conductivity <input type="checkbox"/> Alkalinity <input type="checkbox"/> Nitrite <input type="checkbox"/> Nitrate <input type="checkbox"/> Ammonia <input type="checkbox"/> LEAD							LABORATORY USE ONLY CUSTOMER SEAL Present Intact COOLER TEMPERATURES COOLING MEDIA PRESENT: <input type="checkbox"/> Y <input type="checkbox"/> N COMMENTS:														
SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM																									
Sample Identification	Lab Identification	Date Sampled (YYYY/MM/DD)	Time Sampled (HH:MM)	Matrix	BTEX/VPIH	PCB	PAH	CCME-PIC	Dissolved Metals	Dissolved Mercury	Total Metals	Total Mercury	Chloride	TSS	BOD	COD	pH	Conductivity	Alkalinity	Nitrite	Nitrate	Ammonia	LEAD	# OF CONTAINERS SUBMITTED	HOLD - DO NOT ANALYZE
1	BV#10 @ 0s	12/12/2016		Water																				1	
2	BV#11 @ 0s	12/12/2016		Water																				1	
3	BV#11 @ 5min	12/12/2016		Water																				1	
4	BV#12 @ 0s	12/12/2016		Water																				1	
5	BV#13 @ 0s	12/12/2016		Water																				1	
6	BV#14 @ 0s	12/12/2016		Water																				1	
7	BV#15 @ 0s	12/12/2016		Water																				1	
8	CR#1 @ 0s	12/12/2016		Water																				1	
9	CR#2 @ 0s	12/12/2016		Water																				1	
10	CR#3 @ 0s	12/12/2016		Water																				1	
RELINQUISHED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)																		
				<i>Laurel Bertines</i>		2016/12/14	09:00																		





CHAIN OF CUSTODY

08434040

BBY FCD-00077/05
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Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5. Toll Free (800) 665-8566

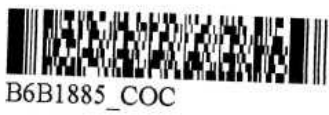
Invoice Information	Report Information (If differs from invoice)	Project Information (Where applicable)	Time (TAT) Required
Company Name: Tetra Tech EBA	Company Name: _____	Quotation #: _____	<input checked="" type="checkbox"/> Regular TAT 5 days (Most analyses)
Contact Name: Darren Thomas / Mike Gallo	Contact Name: _____	P.O. #/ A/E#: _____	PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS
Address: #1 - 4576 Boban Drive, Nanaimo	Address: _____	Project #: ENW.VENW03011-01	Rush TAT (Surcharges will be applied)
BC: _____ PC: V9T 6A7	PC: _____	Site Location: School District 68	<input type="checkbox"/> Same Day <input type="checkbox"/> 2 Days
Phone: 250-756-2256 / 250-713-9178	Phone: _____	Site #: _____	<input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Days
Email: darren.thomas@tetrattech.com	Email: mike.gallo@tetrattech.com	Sampled By: Darren Thomas	Date Required: _____

Regulatory Criteria	Special Instructions	Analysis Requested	Rush Confirmation #:
<input type="checkbox"/> BC CSR Soil <input checked="" type="checkbox"/> BC CSR Water <input type="checkbox"/> CCME (Specify) <input type="checkbox"/> Other (Specify) <input checked="" type="checkbox"/> Drinking Water <input type="checkbox"/> BC Water Quality	<input type="checkbox"/> Return Cooler <input type="checkbox"/> Ship Sample Bottles (Please Specify)	<input type="checkbox"/> VOC/PAH <input type="checkbox"/> METALS <input type="checkbox"/> PCB <input type="checkbox"/> TOX <input type="checkbox"/> LEPIA/HEPH <input type="checkbox"/> BTEX/T1 <input type="checkbox"/> F2-F4 <input type="checkbox"/> Filtreated? <input type="checkbox"/> Preserved? <input type="checkbox"/> Filtreated? <input type="checkbox"/> Preserved? <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Sulfate <input type="checkbox"/> Fluoride <input type="checkbox"/> COD <input type="checkbox"/> BOD <input type="checkbox"/> TOC <input type="checkbox"/> Conductivity <input type="checkbox"/> Ammonia <input type="checkbox"/> Nitrate <input type="checkbox"/> LEAD	LABORATORY USE ONLY CUSTOMER SEAL Present Intact COOLER TEMPERATURES COOLING MEDIA PRESENT

SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM

Sample Identification	Lab Identification	Date Sampled (YYYY/MM/DD)	Time Sampled (HH:MM)	Matrix	VOC/PAH	METALS	PCB	TOX	LEPIA/HEPH	BTEX/T1	F2-F4	Filtreated?	Preserved?	Field Preserved?	Sulfate	Fluoride	COD	BOD	TOC	Conductivity	Ammonia	Nitrate	LEAD	# OF CONTAINERS SUBMITTED	HOLD - DO NOT ANALYZE	COMMENTS
1	RC#9 @ 0s	12/12/2016		Water																			X	1		
2	RC#10 @ 0s	12/12/2016		Water																			X	1		
3	RC#11 @ 0s	12/12/2016		Water																			X	1		
4	RC#12 @ 0s	12/12/2016		Water																			X	1		
5	RC#13 @ 0s	12/12/2016		Water																			X	1		
6	RC#14 @ 0s	12/12/2016		Water																			X	1		
7	RC#15 @ 0s	12/12/2016		Water																			X	1		
8	RC#16 @ 0s	12/12/2016		Water																			X	1		
9	RC#17 @ 0s	12/12/2016		Water																			X	1		
10	RC#18 @ 0s	12/12/2016		Water																			X	1		

RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)
			<i>Laurel Leather</i>	2016/12/14	09:00





Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5. Toll Free (800) 665-8566

CHAIN OF CUSTODY RECORD



BBY FCD-00077/05

Page 1 of 8

Invoice Information		Report Information (if differs from invoice)				Project Information (w/)				Time (TAT) Required										
Company Name: Tetra Tech EBA		Company Name:				Quotation #:				<input checked="" type="checkbox"/> Regular TAT 5 days (Most analyses)										
Contact Name: Darren Thomas / Mike Gallo		Contact Name:				P.O. #/ APE#:				PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS										
Address: #1 - 4376 Roban Drive, Nanaimo		Address:				Project #: ENW.VENW03D11-01				Rush TAT (Surcharges will be applied)										
BC: V9T6A7		PC:				Site Location: School District 68				<input type="checkbox"/> Same Day <input type="checkbox"/> 2 Days										
Phone: 250-756-2256 / 250-713-9178		Phone:				Site #:				<input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Days										
Email: darren.thomas@tetratech.com		Email: mike.gallo@tetratech.com				Sampled By: Darren Thomas				Date Required:										
Regulatory Criteria		Special Instructions		Analysis Requested								Rush Confirmation #:								
<input type="checkbox"/> BC CSR Soil <input checked="" type="checkbox"/> BC CSR Water <input type="checkbox"/> CCME (Specify) <input type="checkbox"/> Other (Specify) <input checked="" type="checkbox"/> Drinking Water <input type="checkbox"/> BC Water Quality		<input type="checkbox"/> Return Cooler <input type="checkbox"/> Ship Sample Bottles (Please Specify)		<input type="checkbox"/> VOC/PH <input type="checkbox"/> PCBs <input type="checkbox"/> PFAS <input type="checkbox"/> Pesticides <input type="checkbox"/> EPH <input type="checkbox"/> EPH/BEH <input type="checkbox"/> F2-F4 <input type="checkbox"/> Preserved? <input type="checkbox"/> BTEX/F1 <input type="checkbox"/> F2-F4 <input type="checkbox"/> Filtered? <input type="checkbox"/> Preserved? <input type="checkbox"/> Dissolved Metals <input type="checkbox"/> Filtered? <input type="checkbox"/> Preserved? <input type="checkbox"/> Dissolved Mercury <input type="checkbox"/> Filtered? <input type="checkbox"/> Preserved? <input type="checkbox"/> Total Metals <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Total Mercury <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Chloride <input type="checkbox"/> Sulfate <input type="checkbox"/> TDS <input type="checkbox"/> BOD <input type="checkbox"/> COD <input type="checkbox"/> pH <input type="checkbox"/> Conductivity <input type="checkbox"/> Alkalinity <input type="checkbox"/> Nitrate <input type="checkbox"/> Ammonia <input type="checkbox"/> LEAD								LABORATORY USE ONLY CUSTODY SEAL Present <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> COOLER TEMPERATURES 12/11 12/11 COOLING MEDIA PRESENT <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> COMMENTS								
SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM																				
Sample Identification	Lab Identification	Date Sampled (YYYY/MM/DD)	Time Sampled (HH:MM)	Matrix	GETX/PH	PCB	PFAS	Pestic	Dissolved Metals	Dissolved Mercury	Total Metals	Total Mercury	Chloride	TDS	pH	Nitrate	LEAD	# OF CONTAINERS SUBMITTED	HOLD - DO NOT ANALYZE	
1	DAC ANNEX @ Os	12/12/2016		Water														X	1	
2	BV#1 @ Os	12/12/2016		Water														X	1	
3	BV#2 @ Os	12/12/2016		Water														X	1	
4	BV#3 @ Os	12/12/2016		Water														X	1	
5	BV#4 @ Os	12/12/2016		Water														X	1	
6	BV#5 @ Os	12/12/2016		Water														X	1	
7	BV#6 @ Os	12/12/2016		Water														X	1	
8	BV#7 @ Os	12/12/2016		Water														X	1	
9	BV#8 @ Os	12/12/2016		Water														X	1	
10	BV#9 @ Os	12/12/2016		Water														X	1	
RELINQUISHED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)													
				<i>Michael Beathier</i>		2016/12/14	09:00													



B6B1885_COC



Invoice Information		Report Information (if differs from invoice)		Project Information		Turnaround Time (TAT) Required									
Company Name: Tetra Tech EBA		Company Name:		Quotation #:		<input checked="" type="checkbox"/> Regular TAT 5 days (Most analyses)									
Contact Name: Darren Thomas / Mike Gallo		Contact Name:		P.O. #/ AFE#:		PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS									
Address: #1 - 4376 Boban Drive, Nanaimo		Address:		Project #: ENW.VENW03011-01		Rush TAT (Surcharges will be applied)									
BC PC: V9T 6A7		PC:		Site Location: School District 68		<input type="checkbox"/> Same Day <input type="checkbox"/> 2 Days									
Phone: 250-756-2256 / 250-713-9178		Phone:		Site #:		<input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Days									
Email: darren.thomas@tetratech.com		Email: mike.gallo@tetratech.com		Sampled By: Darren Thomas		Date Required:									
Regulatory Criteria		Special Instructions		Analysis Requested						Rush Confirmation #:					
<input type="checkbox"/> BC CSR Soil <input checked="" type="checkbox"/> BC CSR Water <input type="checkbox"/> CCME (Specify) <input type="checkbox"/> Other (Specify) <input checked="" type="checkbox"/> Drinking Water <input type="checkbox"/> BC Water Quality		<input type="checkbox"/> Return Cooler <input type="checkbox"/> Ship Sample Bottles (Please Specify)		<input type="checkbox"/> TOC/VPH <input type="checkbox"/> PZ + F4 <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> TDS <input type="checkbox"/> pH <input type="checkbox"/> Conductivity <input type="checkbox"/> Alkalinity <input type="checkbox"/> Ammonia <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> LEAD <input type="checkbox"/> Dissolved Metals <input type="checkbox"/> Filtered? <input type="checkbox"/> Preserved? <input type="checkbox"/> Dissolved Mercury <input type="checkbox"/> Filtered? <input type="checkbox"/> Preserved? <input type="checkbox"/> Total Metals <input type="checkbox"/> Filtered? <input type="checkbox"/> Preserved? <input type="checkbox"/> Total Mercury <input type="checkbox"/> Filtered? <input type="checkbox"/> Preserved? <input type="checkbox"/> Chloride <input type="checkbox"/> Sulfate <input type="checkbox"/> COC <input type="checkbox"/> TSS <input type="checkbox"/> TOC <input type="checkbox"/> DOC						LABORATORY USE ONLY CUSTOM SEAL <input checked="" type="checkbox"/> Present Intact COOLER TEMPERATURES COOLING MEDIA PRESENT <input checked="" type="checkbox"/>					
SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM															
Sample Identification	Lab Identification	Date Sampled (YYYY/MM/DD)	Time Sampled (HH:MM)	Matrix	TOC/VPH	PH	COND	ALK	AMMONIA	NITRATE	NITRITE	LEAD	# OF CONTAINERS SUBMITTED	HOLD - DO NOT ANALYZE	COMMENTS
1	CR#4 @ 0s	12/12/2016		Water									1		
2	CR#5 @ 0s	12/12/2016		Water									1		
3	CR#6 @ 0s	12/12/2016		Water									1		
4	CR#7 @ 5min	12/12/2016		Water									1		
5	CR#8 @ 0s	12/12/2016		Water									1		
6	CR#9 @ 0s	12/12/2016		Water									1		
7	CR#10 @ 0s	12/12/2016		Water									1		
8	CR#11 @ 0s	12/12/2016		Water									1		
9	CR#12 @ 0s	12/12/2016		Water									1		
10	CR#13 @ 0s	12/12/2016		Water									1		
RELINQUISHED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)								
				<i>Laurel Becher</i>		2016/12/14	09:00								



B6B1885_COC

Invoice Information		Report Information (If differs from Invoice)				Project Information (w/turnaround Time (TAT) Required)																						
Company Name: Tetra Tech EBA		Company Name:				Quotation #:																						
Contact Name: Darren Thomas / Mike Gallo		Contact Name:				P.O. #/ AFB#:																						
Address: #1 - 4376 Boban Drive, Nanaimo		Address:				Project #: ENW.VENW03011-01																						
BC PC: V9T 6A7		PC:				Site Location: School District 68																						
Phone: 250-756-2256 / 250-713-9178		Phone:				Site #:																						
Email: darren.thomas@tetratech.com		Email: mike.gallo@tetratech.com				Sampled By: Darren Thomas																						
<input type="checkbox"/> Regular TAT 5 days (Most analyses) PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS Rush TAT (Surcharges will be applied) <input type="checkbox"/> Same Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Days Date Required:																												
Regulatory Criteria		Special Instructions		Analysis Requested				Rush Confirmation #:																				
<input type="checkbox"/> BC CS3 Soil <input checked="" type="checkbox"/> BC CSR Water <input type="checkbox"/> CCME (Specify) <input type="checkbox"/> Other (Specify) <input checked="" type="checkbox"/> Drinking Water <input type="checkbox"/> BC Water Quality		<input type="checkbox"/> Return Cooler <input type="checkbox"/> Ship Sample Bottles (Please Specify)		<input type="checkbox"/> VOC/VPK <input type="checkbox"/> METE <input type="checkbox"/> TOC/TPH <input type="checkbox"/> LEH/LEPH <input type="checkbox"/> PAH <input type="checkbox"/> CCME-PHC <input type="checkbox"/> BTEX/F3 <input type="checkbox"/> P2-P4 <input type="checkbox"/> Disolved Metals <input type="checkbox"/> Filtered? <input type="checkbox"/> Preserved? <input type="checkbox"/> Disolved Mercury <input type="checkbox"/> Filtered? <input type="checkbox"/> Preserved? <input type="checkbox"/> Total Metals <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Total Mercury <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Chloride <input type="checkbox"/> Fluoride <input type="checkbox"/> Sulfate <input type="checkbox"/> TDS <input type="checkbox"/> BOD <input type="checkbox"/> EOD <input type="checkbox"/> pH <input type="checkbox"/> Conductivity <input type="checkbox"/> Alkalinity <input type="checkbox"/> Ammonia <input type="checkbox"/> Nitrite <input type="checkbox"/> Nitrate <input type="checkbox"/> LEAD				LABORATORY USE ONLY CUSTOM SEAL Present Intact COOLER TEMPERATURES HOLD - DO NOT ANALYZE COOLING MEDIA PRESENT: Y / N COMMENTS																				
SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM																												
Sample Identification	Lab Identification	Date Sampled (YYYY/MM/DD)	Time Sampled (HH:MM)	Matrix	RET/AVP/PH	LEH/LEPH	PAH	CCME-PHC	BTEX/F3	P2-P4	Disolved Metals	Disolved Mercury	Total Metals	Total Mercury	Chloride	Fluoride	Sulfate	TDS	BOD	EOD	pH	Conductivity	Alkalinity	Ammonia	Nitrite	Nitrate	LEAD	# OF CONTAINERS SUBMITTED
1	CR#14 @ 0s	12/12/2016		Water																								1
2	RC#1 @ 0s	12/12/2016		Water																								1
3	RC#2 @ 0s	12/12/2016		Water																								1
4	RC#2 @ 5min	12/12/2016		Water																								1
5	RC#3 @ 0s	12/12/2016		Water																								1
6	RC#4 @ 0s	12/12/2016		Water																								1
7	RC#5 @ 0s	12/12/2016		Water																								1
8	RC#6 @ 0s	12/12/2016		Water																								1
9	RC#7 @ 0s	12/12/2016		Water																								1
10	RC#8 @ 0s	12/12/2016		Water																								1
RELINQUISHED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)			DATE: (YYYY/MM/DD)	TIME: (HH:MM)																				
				<i>M. Laurel</i>			2016/12/14	09:00																				





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CHAIN OF CUSTODY



BBY FCD-00077/05
Page 6 of 8

Invoice Information		Report Information (If differs from invoice)		Project Information (where applicable)		Turnaround Time (TAT) Required					
Company Name: Tetra Tech EBA		Company Name:		Quotation #:		<input checked="" type="checkbox"/> Regular TAT 5 days (Most analyses)					
Contact Name: Darren Thomas / Mike Gallo		Contact Name:		P.O. #/ AFE#:		PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS					
Address: #1 - 4376 Boban Drive, Nanaimo BC PC: V9T 6A7		Address:		Project #: ENW VENW03011-01		Rush TAT (Surcharges will be applied)					
Phone: 250-756-2256 / 250-713-9178		Phone:		Site Location: School District 68		<input type="checkbox"/> Same Day <input type="checkbox"/> 2 Days					
Email: darren.thomas@tetratech.com		Email: mike.gallo@tetratech.com		Site #:		<input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Days					
				Sampled By: Darren Thomas		Date Required:					
Regulatory Criteria		Special Instructions		Analysis Requested		Rush Confirmation #:					
<input type="checkbox"/> BC CSR Soil <input checked="" type="checkbox"/> BC CSR Water <input type="checkbox"/> CCME (Specify) <input type="checkbox"/> Other (Specify) <input checked="" type="checkbox"/> Drinking Water <input type="checkbox"/> BC Water Quality		<input type="checkbox"/> Return Cooler <input type="checkbox"/> Ship Sample Bottles (Please Specify)		<input type="checkbox"/> VPC/VPK <input type="checkbox"/> VPC/VPK <input type="checkbox"/> TEM <input type="checkbox"/> TEM <input type="checkbox"/> LEH/LEPH <input type="checkbox"/> LEH/LEPH <input type="checkbox"/> P2-F4 <input type="checkbox"/> P2-F4 <input type="checkbox"/> CCME-PHC <input type="checkbox"/> CCME-PHC <input type="checkbox"/> R12X/F1 <input type="checkbox"/> R12X/F1 <input type="checkbox"/> Filtered? <input type="checkbox"/> Filtered? <input type="checkbox"/> Preserved? <input type="checkbox"/> Preserved? <input type="checkbox"/> Preserved? <input type="checkbox"/> Preserved? <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Chloride <input type="checkbox"/> Chloride <input type="checkbox"/> Sulfate <input type="checkbox"/> Sulfate <input type="checkbox"/> TOC <input type="checkbox"/> TOC <input type="checkbox"/> BOD <input type="checkbox"/> BOD <input type="checkbox"/> COD <input type="checkbox"/> COD <input type="checkbox"/> pH <input type="checkbox"/> pH <input type="checkbox"/> Conductivity <input type="checkbox"/> Conductivity <input type="checkbox"/> Alkalinity <input type="checkbox"/> Alkalinity <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrate <input type="checkbox"/> Ammonia <input type="checkbox"/> Ammonia <input type="checkbox"/> LEAD <input type="checkbox"/> LEAD							
<p style="text-align: center;">SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM</p>											
Sample Identification	Lab Identification	Date Sampled (YYYY/MM/DD)	Time Sampled (HH:MM)	Matrix	<input type="checkbox"/> BTEX/PAH <input type="checkbox"/> PCBs <input type="checkbox"/> PAHs <input type="checkbox"/> CCME-PHC <input type="checkbox"/> R12X/F1 <input type="checkbox"/> Dissolved Metals <input type="checkbox"/> Dissolved Mercury <input type="checkbox"/> Total Metals <input type="checkbox"/> Total Mercury <input type="checkbox"/> Chloride <input type="checkbox"/> Sulfate <input type="checkbox"/> TOC <input type="checkbox"/> BOD <input type="checkbox"/> pH <input type="checkbox"/> Nitrite <input type="checkbox"/> LEAD	# OF CONTAINERS SUBMITTED	HOLD - DO NOT ANALYZE				
1	RC#19 @ 0s	12/12/2016		Water		1					
2	PV#1 @ 0s	12/12/2016		Water		1					
3	PV#2 @ 0s	12/12/2016		Water		1					
4	PV#3 @ 0s	12/12/2016		Water		1					
5	PV#4 @ 0s	12/12/2016		Water		1					
6	PV#5 @ 0s	12/12/2016		Water		1					
7	PV#6 @ 0s	12/12/2016		Water		1					
8	PV#7 @ 0s	12/12/2016		Water		1					
9	PV#8 @ 0s	12/12/2016		Water		1					
10	PV#9 @ 0s	12/12/2016		Water		1					
RELINQUISHED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)				
						2016/12/14	09:00				



Invoice Information		Report Information (if differs from invoice)				Project Information (where applicable)				Turnaround Time (TAT) Required										
Company Name: Tetra Tech EBA		Company Name:				Quotation #:				<input checked="" type="checkbox"/> Regular TAT 5 days (Most analyses)										
Contact Name: Darren Thomas / Mike Gallo		Contact Name:				P.O. #/ AFE#:				PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS										
Address: #1 - 4376 Boban Drive, Nanaimo		Address:				Project #: ENW.VENW0301-01				Rush TAT (Surcharges will be applied)										
BC: PC: V9T 6A7		PC:				Site Location: School District 58				<input type="checkbox"/> Same Day <input type="checkbox"/> 2 Days										
Phone: 250-756-2256 / 250-713-9178		Phone:				Site #:				<input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Days										
Email: darren.thomas@tetratech.com		Email: mike.gallo@tetratech.com				Sampled By: Darren Thomas				Date Required:										
Regulatory Criteria		Special Instructions				Analysis Requested				Rush Confirmation #:										
<input type="checkbox"/> BC CSR Soil <input checked="" type="checkbox"/> BC CSR Water <input type="checkbox"/> CCME (Specify) <input type="checkbox"/> Other (Specify) <input checked="" type="checkbox"/> Drinking Water <input type="checkbox"/> BC Water Quality		<input type="checkbox"/> Return Cooler <input type="checkbox"/> Ship Sample Bottles (Please Specify)				<input type="checkbox"/> VOC/MPH <input type="checkbox"/> PCB <input type="checkbox"/> TEK <input type="checkbox"/> EPA/HEPH <input type="checkbox"/> FZ: FA <input type="checkbox"/> Preserved <input type="checkbox"/> METE <input type="checkbox"/> F1 <input type="checkbox"/> F2 <input type="checkbox"/> F3 <input type="checkbox"/> F4 <input type="checkbox"/> Preserved <input type="checkbox"/> CCME-PHC <input type="checkbox"/> BTEX/F1 <input type="checkbox"/> Filtered <input type="checkbox"/> Filtered <input type="checkbox"/> Dissolved Metals <input type="checkbox"/> Filtered <input type="checkbox"/> Filtered <input type="checkbox"/> Dissolved Mercury <input type="checkbox"/> Filtered <input type="checkbox"/> Filtered <input type="checkbox"/> Total Metals <input type="checkbox"/> Field Preserved <input type="checkbox"/> Total Mercury <input type="checkbox"/> Field Preserved <input type="checkbox"/> Fluoride <input type="checkbox"/> Sulphate <input type="checkbox"/> TSS <input type="checkbox"/> RPD <input type="checkbox"/> COD <input type="checkbox"/> pH <input type="checkbox"/> Conductivity <input type="checkbox"/> Alkalinity <input type="checkbox"/> Nitrate <input type="checkbox"/> Ammonia <input type="checkbox"/> LEAD				LABORATORY USE ONLY CUSTODY SEAL (N) <input checked="" type="checkbox"/> Present Intact COOLER TEMPERATURES 11 12 COOLING MEDIA PRESENT - N - N -										
SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM																				
Sample Identification	Lab Identification	Date Sampled (YYYY/MM/DD)	Time Sampled (HH:MM)	Matrix	ENTER/MPH	PCB	PAH	CCME-PHC	Dissolved Metals	Dissolved Mercury	Total Metals	Total Mercury	Fluoride	TSS	pH	Nitrate	LEAD	# OF CONTAINERS SUBMITTED	HOLD - DO NOT ANALYZE	COMMENTS
1	PV#10 @ 0s	12/12/2016		Water														X	1	
2	PV#11 @ 0s	12/12/2016		Water														X	1	
3	PV#12 @ 0s	12/12/2016		Water														X	1	
4	PV#13 @ 0s	12/12/2016		Water														X	1	
5	PV#13 @ 5min	12/12/2016		Water														X	1	
6	PV#14 @ 0s	12/12/2016		Water														X	1	
7	PV#15 @ 0s	12/12/2016		Water														X	1	
8	PV#16 @ 0s	12/12/2016		Water														X	1	
9	PV#17 @ 0s	12/12/2016		Water														X	1	
10	PV#18 @ 0s	12/12/2016		Water														X	1	
RELINQUISHED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)													
				<i>Maureen Beiser</i>		2016/12/14	09:00													





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CHAIN OF CUST

08434043

BBY FCD-00077/05
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Invoice Information		Report Information (if differs from invoice)		Project Information		Round Time (TAT) Required						
Company Name: Tetra Tech EBA		Company Name:		Quotation #:		<input checked="" type="checkbox"/> Regular TAT 5 days (Most analyses)						
Contact Name: Darren Thomas / Mike Gallo		Contact Name:		P.O. #/ AFE#:		PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS						
Address: #1 - 4376 Boban Drive, Nanaimo		Address:		Project #: ENW.VENW09011-01		Rush TAT (Surcharges will be applied)						
BC PC: V9T 6A7		PC:		Site Location: School District 68		<input type="checkbox"/> Same Day <input type="checkbox"/> 2 Days						
Phone: 250-756-2256 / 250-713-9178		Phone:		Site #:		<input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Days						
Email: darren.thomas@tetratech.com		Email: mike.gallo@tetratech.com		Sampled By: Darren Thomas		Date Required:						
Regulatory Criteria		Special Instructions		Analysis Requested				Rush Confirmation #:				
<input type="checkbox"/> BC CSR Soil <input checked="" type="checkbox"/> BC CSR Water <input type="checkbox"/> CCVE (Specify) <input type="checkbox"/> Other (Specify) <input checked="" type="checkbox"/> Drinking Water <input type="checkbox"/> BC Water Quality		<input type="checkbox"/> Return Cooler <input type="checkbox"/> Ship Sample Bottles (Please Specify)		<input type="checkbox"/> VOC/MPH <input type="checkbox"/> PCB <input type="checkbox"/> PAH <input type="checkbox"/> BTEX/EL <input type="checkbox"/> PZ-EA <input type="checkbox"/> Dissolved Metals <input type="checkbox"/> Filtered? <input type="checkbox"/> Preserved? <input type="checkbox"/> Dissolved Mercury <input type="checkbox"/> Filtered? <input type="checkbox"/> Preserved? <input type="checkbox"/> Total Metals <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Total Mercury <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Chloride <input type="checkbox"/> Fluoride <input type="checkbox"/> Sulphate <input type="checkbox"/> TDS <input type="checkbox"/> TOC <input type="checkbox"/> BOD <input type="checkbox"/> COD <input type="checkbox"/> pH <input type="checkbox"/> Conductivity <input type="checkbox"/> Alkalinity <input type="checkbox"/> Ammonia <input type="checkbox"/> Nitrite <input type="checkbox"/> Nitrate <input type="checkbox"/> LEAD				<input type="checkbox"/> MTBE <input type="checkbox"/> TPH <input type="checkbox"/> PER <input type="checkbox"/> LPH/MPH <input type="checkbox"/> PZ-EA <input type="checkbox"/> Filtered? <input type="checkbox"/> Preserved? <input type="checkbox"/> DDT/DDE/DDT <input type="checkbox"/> Dieldrin <input type="checkbox"/> Heptachlor <input type="checkbox"/> Aldrin <input type="checkbox"/> Dieldrin <input type="checkbox"/> Heptachlor <input type="checkbox"/> Aldrin		Rush Confirmation #:		
SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM												
Sample Identification	Lab Identification	Date Sampled (YYYY/MM/DD)	Time Sampled (HH:MM)	Matrix					# OF CONTAINERS SUBMITTED	HOLD - DO NOT ANALYZE		
1	PV#19 @ 0s	12/12/2016		Water							1	LABORATORY USE ONLY CUSTODY SEAL Y (N) Present Intact COOLER TEMPERATURES COOLING MEDIA PRESENT: X / N
2	PV#20 @ 0s	12/12/2016		Water							1	
3				Water								
4				Water								
5				Water								
6				Water								
7				Water								
8				Water								
9				Water								
10				Water								
RELINQUISHED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)					
				<i>Michelle Baxter</i>		2016/12/14	09:00					



B6B1885_COC

Your Project #: ENW.VENW03011.01
Site Location: SCHOOL DISTRICT 68
Your C.O.C. #: 08434091

Attention:Darren Thomas

TETRA TECH EBA INC.
#1 - 4376 BOBAN DRIVE
NANAIMO, BC
Canada V9T 6A7

Report Date: 2016/12/21
Report #: R2320414
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B6B2069

Received: 2016/12/15, 10:30

Sample Matrix: DRINKING WATER
Samples Received: 4

Analyses	Date		Laboratory Method	Analytical Method
	Quantity Extracted	Analyzed		
Elements by CRC ICPMS (total)	3	N/A	2016/12/20 BBY7SOP-00003,	BCLM2005,EPA6020bR2m
Elements by CRC ICPMS (total)	1	N/A	2016/12/21 BBY7SOP-00003,	BCLM2005,EPA6020bR2m

Remarks:

Maxxam Analytics' laboratories are accredited to ISO/IEC 17025:2005 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Maxxam are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Maxxam's profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Maxxam in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported: unless indicated otherwise, associated sample data are not blank corrected.

Maxxam Analytics' liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Maxxam has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Maxxam, unless otherwise agreed in writing.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods. Results relate to samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Letitia Prefontaine, B.Sc., Senior Project Manager
Email: LPrefontaine@maxxam.ca
Phone# (604)639-2616

=====
Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Maxxam Job #: B6B2069
Report Date: 2016/12/21

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011.01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID			QG6395	QG6396	QG6397	QG6398		
Sampling Date			2016/12/13	2016/12/13	2016/12/13	2016/12/13		
COC Number			08434091	08434091	08434091	08434091		
	UNITS	MAC	RC#20 @ OS	RC#21 @ OS	RC#22 @ OS	RC#23 @ OS	RDL	QC Batch
Total Metals by ICPMS								
Total Lead (Pb)	ug/L	10	3.32	3.19	2.27	18.6	0.20	8507449
No Fill	No Exceedance							
Grey	Exceeds 1 criteria policy/level							
Black	Exceeds both criteria/levels							
RDL = Reportable Detection Limit								

Maxxam Job #: B6B2069
Report Date: 2016/12/21

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011.01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	1.0°C
-----------	-------

MAC: The guidelines that have been included in this report have been taken from the Canadian Drinking Water Quality Summary Table, October 2014.

Criteria A = Maximum Acceptable Concentration (MAC) / Criteria B = Aesthetic Objectives (AO) / Criteria C = Operational Guidance Values (OG)
It is recommended to consult these guidelines when interpreting your data since there are non-numerical guidelines that are not included on this report.

Turbidity Guidelines:

1. Chemically assisted filtration: less than or equal to 0.3 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 1.0 NTU at any time.
2. Slow sand / diatomaceous earth filtration: less than or equal to 1.0 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 3.0 NTU at any time.
3. Membrane filtration: less than or equal to 0.1 NTU in 99% of the measurements made or at least 99% of the time each calendar month. Shall not exceed 0.3 NTU at any time.

Results relate only to the items tested.

Maxxam Job #: B6B2069
Report Date: 2016/12/21

QUALITY ASSURANCE REPORT

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011.01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8507449	Total Lead (Pb)	2016/12/20	NC	80 - 120	101	80 - 120	<0.20	ug/L	9.9	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

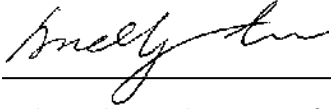
NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than 2x that of the native sample concentration).

Maxxam Job #: B6B2069
Report Date: 2016/12/21

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011.01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



Andy Lu, Ph.D., P.Chem., Scientific Specialist

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



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Invoice Information		Report Information (if differs from invoice)		Project Information (where applicable)		Turnaround Time (TAT) Required																										
Company Name: Tetra Tech EBA	Company Name:	Company Name:	Company Name:	Quotation #:	Quotation #:	<input checked="" type="checkbox"/> Regular TAT 5 days (Most analyses)	PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS Rush TAT (Surcharges will be applied) <input type="checkbox"/> Same Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Days																									
Contact Name: Darren Thomas / Mike Gallo	Contact Name:	Contact Name:	Contact Name:	P.O. #/ AFE#:	P.O. #/ AFE#:																											
Address: #1 - 4376 Boban Drive, Nanaimo	Address:	Address:	Address:	Project #:	Project #:																											
BC: _____ PC: V9T 6A7	BC: _____ PC: _____	BC: _____ PC: _____	BC: _____ PC: _____	Site Location: School District 68	Site Location: _____																											
Phone: 250-756-2256 / 250-713-9178	Phone:	Phone:	Phone:	Site #:	Site #:		Date Required:																									
Email: darren.thomas@tetrattech.com	Email:	Email:	Email:	Sampled By: Darren Thomas	Sampled By: _____																											
Regulatory Criteria		Special Instructions		Analysis Requested				Rush Confirmation #:																								
<input type="checkbox"/> BC CSR Soil <input checked="" type="checkbox"/> BC CSR Water <input type="checkbox"/> CCME (Specify) <input type="checkbox"/> Other (Specify) <input checked="" type="checkbox"/> Drinking Water <input type="checkbox"/> BC Water Quality		<input type="checkbox"/> Return Cooler <input type="checkbox"/> Ship Sample Bottles (Please Specify)		<input type="checkbox"/> VOC/VPH <input type="checkbox"/> MTBE <input type="checkbox"/> EPH <input type="checkbox"/> PAH <input type="checkbox"/> CCME-PHC <input type="checkbox"/> BTEX/Fl <input type="checkbox"/> FL-FA <input type="checkbox"/> Preserved? <input type="checkbox"/> Preserved? <input type="checkbox"/> Filtered? <input type="checkbox"/> Filtered? <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Field Preserved? <input type="checkbox"/> Chloride <input type="checkbox"/> Sulphate <input type="checkbox"/> COD <input type="checkbox"/> BOD <input type="checkbox"/> Conductivity <input type="checkbox"/> Alkalinity <input type="checkbox"/> Ammonia <input type="checkbox"/> TSS <input type="checkbox"/> pH <input type="checkbox"/> Nitrite <input type="checkbox"/> Nitrate <input type="checkbox"/> LEAD																												
SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM								LABORATORY USE ONLY <table border="1"> <tr> <td colspan="2">CUSTODY SEAL</td> <td colspan="2">COOLER TEMPERATURES</td> </tr> <tr> <td>Y/N</td> <td>Y/N</td> <td>Present</td> <td>Intact</td> </tr> <tr> <td>Y</td> <td>N</td> <td>Y</td> <td>N</td> </tr> <tr> <td colspan="2">COOLING MEDIA PRESENT</td> <td colspan="2">Y / N</td> </tr> <tr> <td colspan="2">Y</td> <td colspan="2">N</td> </tr> <tr> <td colspan="4">COMMENTS</td> </tr> </table>	CUSTODY SEAL		COOLER TEMPERATURES		Y/N	Y/N	Present	Intact	Y	N	Y	N	COOLING MEDIA PRESENT		Y / N		Y		N		COMMENTS			
CUSTODY SEAL		COOLER TEMPERATURES																														
Y/N	Y/N	Present	Intact																													
Y	N	Y	N																													
COOLING MEDIA PRESENT		Y / N																														
Y		N																														
COMMENTS																																
Sample Identification	Lab Identification	Date Sampled (YYYY/MM/DD)	Time Sampled (HH:MM)	Matrix	BTEX/VPH L	EPH	PAH	CCME-PHC	BTEX/Fl	FL-FA	Preserved?	Preserved?	Filtered?	Filtered?	Field Preserved?	Field Preserved?	Chloride	Sulphate	COD	BOD	Conductivity	Alkalinity	Ammonia	Nitrite	Nitrate	LEAD	# OF CONTAINERS SUBMITTED	HOLD - DO NOT ANALYZE				
1	RC#20 @ 0s	2016/12/13		Water																						1						
2	RC#21 @ 0s	2016/12/13		Water																						1						
3	RC#22 @ 0s	2016/12/13		Water																						1						
4	RC#23 @ 0s	2016/12/13		Water																						1						
5																																
6																																
7																																
8																																
9																																
10																																
RELINQUISHED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)																									
<i>Darren Thomas</i>		2016/12/13	10:50	<i>Laurel Bethier</i>		2016/12/15	10:30																									



Your Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68

Attention:Darren Thomas

TETRA TECH EBA INC.
#1 - 4376 BOBAN DRIVE
NANAIMO, BC
Canada V9T 6A7

Your C.O.C. #: 08434230, 08434229, 08434228, 08434227, 08434226,
08434225, 08434224, 08434223

Report Date: 2016/12/28
Report #: R2323770
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B6B3648

Received: 2016/12/20, 14:30

Sample Matrix: DRINKING WATER
Samples Received: 73

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Elements by CRC ICPMS (total)	33	N/A	2016/12/23	BBY7SOP-00003,	BCLM2005,EPA6020bR2m
Elements by CRC ICPMS (total)	40	N/A	2016/12/24	BBY7SOP-00003,	BCLM2005,EPA6020bR2m

Remarks:

Maxxam Analytics' laboratories are accredited to ISO/IEC 17025:2005 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Maxxam are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Maxxam's profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Maxxam in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported: unless indicated otherwise, associated sample data are not blank corrected.

Maxxam Analytics' liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Maxxam has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Maxxam, unless otherwise agreed in writing.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods. Results relate to samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Your Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68

Attention:Darren Thomas

TETRA TECH EBA INC.
#1 - 4376 BOBAN DRIVE
NANAIMO, BC
Canada V9T 6A7

Your C.O.C. #: 08434230, 08434229, 08434228, 08434227, 08434226,
08434225, 08434224, 08434223

Report Date: 2016/12/28
Report #: R2323770
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B6B3648
Received: 2016/12/20, 14:30

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Letitia Prefontaine, B.Sc., Senior Project Manager
Email: LPrefontaine@maxxam.ca
Phone# (604)639-2616
=====

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Maxxam Job #: B6B3648
Report Date: 2016/12/28

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID			QH5909	QH5910	QH5911	QH5912		QH5913	QH5914		
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19		2016/12/19	2016/12/19		
COC Number			08434230	08434230	08434230	08434230		08434230	08434230		
	UNITS	MAC	LIS#1 @ 0S	LIS#2 @ 0S	LIS#3 @ 0S	LIS#4 @ 0S	QC Batch	LIS#5 @ 0S	LIS#6 @ 0S	RDL	QC Batch

Total Metals by ICPMS											
Total Lead (Pb)	ug/L	10	5.90	24.1	70.4	4.59	8511031	7.51	5.48	0.20	8511035
No Fill	No Exceedance										
Grey	Exceeds 1 criteria policy/level										
Black	Exceeds both criteria/levels										
RDL = Reportable Detection Limit											

Maxxam ID			QH5915	QH5916	QH5917	QH5918	QH5919	QH5920		
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19		
COC Number			08434230	08434230	08434230	08434230	08434229	08434229		
	UNITS	MAC	LIS#7 @ 0S	LIS#8 @ 5MIN	LIS#9 @ 0S	LIS#10 @ 0S	LIS#11 @ 0S	LIS#12 @ 0S	RDL	QC Batch

Total Metals by ICPMS											
Total Lead (Pb)	ug/L	10	17.7	3.78	8.23	12.1	7.59	59.6	0.20	8511035	
No Fill	No Exceedance										
Grey	Exceeds 1 criteria policy/level										
Black	Exceeds both criteria/levels										
RDL = Reportable Detection Limit											

Maxxam ID			QH5921	QH5922	QH5923	QH5924	QH5925	QH5926		
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19		
COC Number			08434229	08434229	08434229	08434229	08434229	08434229		
	UNITS	MAC	LIS#13 @ 0S	LIS#14 @ 0S	LIS#15 @ 0S	LIS#16 @ 0S	LIS#17 @ 0S	LIS#18 @ 0S	RDL	QC Batch

Total Metals by ICPMS											
Total Lead (Pb)	ug/L	10	43.0	60.3	330	78.8	65.5	48.5	0.20	8511035	
No Fill	No Exceedance										
Grey	Exceeds 1 criteria policy/level										
Black	Exceeds both criteria/levels										
RDL = Reportable Detection Limit											

Maxxam Job #: B6B3648
Report Date: 2016/12/28

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID			QH5927	QH5928	QH5931	QH5932	QH5933	QH5934		
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19		
COC Number			08434229	08434229	08434228	08434228	08434228	08434228		
	UNITS	MAC	LIS#19 @ OS	LIS#20 @ OS	LPS#1 @ OS	LPS#2 @ OS	LPS#3 @ OS	LPS#4 @ OS	RDL	QC Batch

Total Metals by ICPMS										
Total Lead (Pb)	ug/L	10	49.7	47.3	9.59	6.75	5.02	40.6	0.20	8511035

No Fill	No Exceedance									
Grey	Exceeds 1 criteria policy/level									
Black	Exceeds both criteria/levels									
RDL = Reportable Detection Limit										

Maxxam Job #: B6B3648
Report Date: 2016/12/28

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID			QH5935	QH5936	QH5937	QH5938	QH5939	QH5940		
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19		
COC Number			08434228	08434228	08434228	08434228	08434228	08434228		
	UNITS	MAC	LPS#4 @ 5MIN	LPS#5 @ 0S	LPS#6 @ 0S	LPS#7 @ 0S	LPS#8 @ 0S	LPS#9 @ 0S	RDL	QC Batch

Total Metals by ICPMS										
Total Lead (Pb)	ug/L	10	1.78	5.68	16.4	24.3	5.24	39.8	0.20	8511036
No Fill	No Exceedance									
Grey	Exceeds 1 criteria policy/level									
Black	Exceeds both criteria/levels									
RDL = Reportable Detection Limit										

Maxxam ID			QH5942	QH5943	QH5944	QH5945	QH5946	QH5947		
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19		
COC Number			08434227	08434227	08434227	08434227	08434227	08434227		
	UNITS	MAC	LPS#10 @ 0S	LPS#11 @ 0S	LPS#12 @ 0S	LPS#13 @ 0S	LPS#14 @ 0S	LPS#15 @ 0S	RDL	QC Batch

Total Metals by ICPMS										
Total Lead (Pb)	ug/L	10	8.06	125	2.91	10.8	21.2	22.7	0.20	8511036
No Fill	No Exceedance									
Grey	Exceeds 1 criteria policy/level									
Black	Exceeds both criteria/levels									
RDL = Reportable Detection Limit										

Maxxam ID			QH5948	QH5949	QH5950	QH5951	QH5953	QH5954		
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19		
COC Number			08434227	08434227	08434227	08434227	08434226	08434226		
	UNITS	MAC	LPS#16 @ 0S	LPS#17 @ 0S	LPS#18 @ 0S	CMD#1 @ 0S	CMD#1 @ 5MIN	CMD#2 @ 0S	RDL	QC Batch

Total Metals by ICPMS										
Total Lead (Pb)	ug/L	10	29.6	6.49	17.1	4.69	0.88	27.2	0.20	8511036
No Fill	No Exceedance									
Grey	Exceeds 1 criteria policy/level									
Black	Exceeds both criteria/levels									
RDL = Reportable Detection Limit										

Maxxam Job #: B6B3648
Report Date: 2016/12/28

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID			QH5955	QH5956		QH5957	QH5959	QH5960		
Sampling Date			2016/12/19	2016/12/19		2016/12/19	2016/12/19	2016/12/19		
COC Number			08434226	08434226		08434226	08434226	08434226		
	UNITS	MAC	CMD#3 @ OS	CMD#4 @ OS	QC Batch	NOES#1 @ OS	NOES#3 @ OS	NOES#4 @ OS	RDL	QC Batch

Total Metals by ICPMS										
Total Lead (Pb)	ug/L	10	10.6	33.4	8511036	12.3	22.6	23.9	0.20	8511137

No Fill	No Exceedance									
Grey	Exceeds 1 criteria policy/level									
Black	Exceeds both criteria/levels									
RDL = Reportable Detection Limit										

Maxxam Job #: B6B3648
Report Date: 2016/12/28

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID			QH5961	QH5962	QH5980	QH5983	QH5985		
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19		
COC Number			08434226	08434226	08434225	08434225	08434225		
	UNITS	MAC	NOES#5 @ OS	NOES#6 @ OS	NOES#7 @ OS	NOES#10 @ OS	NOES#12 @ OS	RDL	QC Batch

Total Metals by ICPMS									
Total Lead (Pb)	ug/L	10	23.6	3.22	24.7	13.5	71.0	0.20	8511137
No Fill	No Exceedance								
Grey	Exceeds 1 criteria policy/level								
Black	Exceeds both criteria/levels								
RDL = Reportable Detection Limit									

Maxxam ID			QH5986	QH5987	QH5988	QH5989	QH5990		
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19		
COC Number			08434225	08434225	08434225	08434225	08434224		
	UNITS	MAC	NOES#13 @ OS	NOES#14 @ OS	NOES#15 @ OS	NOES#16 @ OS	NOES#17 @ OS	RDL	QC Batch

Total Metals by ICPMS									
Total Lead (Pb)	ug/L	10	30.7	14.9	27.2	3.46	33.3	0.20	8511137
No Fill	No Exceedance								
Grey	Exceeds 1 criteria policy/level								
Black	Exceeds both criteria/levels								
RDL = Reportable Detection Limit									

Maxxam ID			QH5991	QH5992	QH5993	QH5994	QH5995		
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/05		
COC Number			08434224	08434224	08434224	08434224	08434224		
	UNITS	MAC	NOES#18 @ OS	NOES#19 @ OS	NOES#20 @ OS	NOES#20 @ 5MIN	NDSS#11 @ 30S	RDL	QC Batch

Total Metals by ICPMS									
Total Lead (Pb)	ug/L	10	30.5	47.9	9.16	0.27	8.71	0.20	8511137
No Fill	No Exceedance								
Grey	Exceeds 1 criteria policy/level								
Black	Exceeds both criteria/levels								
RDL = Reportable Detection Limit									

Maxxam Job #: B6B3648
Report Date: 2016/12/28

TETRA TECH EBA INC.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68
Sampler Initials: DT

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID			QH5996	QH5997		QH5998	QH5999		
Sampling Date			2016/12/05	2016/12/05		2016/12/05	2016/12/05		
COC Number			08434224	08434224		08434224	08434224		
	UNITS	MAC	NDSS#13 @ 30S	NDSS#29 @ 30S	QC Batch	NDSS#30 @ 30S	NDSS#31 @ 30S	RDL	QC Batch
Total Metals by ICPMS									
Total Lead (Pb)	ug/L	10	4.78	3.60	8511137	7.66	2.67	0.20	8511138
No Fill	No Exceedance								
Grey	Exceeds 1 criteria policy/level								
Black	Exceeds both criteria/levels								
RDL = Reportable Detection Limit									