REQUEST FOR PROPOSALS
RFP-MCC-2428

SPRINGHILL ADMINISTRATION BUILDING
BOILER REPLACEMENT

MUNICIPALITY OF THE COUNTY OF CUMBERLAND
UPPER NAPPAN SERVICE CENTRE
1395 BLAIR LAKE ROAD
AMHERST N.S B4H 3Y4

October 7, 2024

CLOSING: October 24, 2024
2:00 PM

Table of Contents

1.0 INTRODUCTION
- 1.1 General Requirements
- 1.2 Instructions to Proponents
- 1.3 Clarification and Addenda

2.0 SCOPE OF WORK

3.0 PROPOSAL
- 3.1 Proposal Closing
- 3.2 Proposal Opening
- 3.3 Proposal Submission
- 3.4 Proposal Acceptance
- 3.5 Evaluation of Proposal
- 3.6 Proposal Form

SCHEDULE A: Plans

SCHEDULE B: Asbestos Test Results

1.0 INTRODUCTION

1.1 GENERAL REQUIREMENTS

The Municipality of Cumberland County is replacing the existing oil fire heating system at the Springhill Administration Building with a new propane heating system.

The following is a list of the basic requirements, please see Schedule A for more detailed information.

a) Removal of Existing equipment
b) Asbestos testing (where required)
c) Supply and install new propane boilers
d) Piping, valves, pumps and accessory equipment
e) Electrical and controls

The Proponent must either be a Manufacturer, a factory branch, or a dealer engaged in the business of selling, dealing and servicing the boilers proposed upon and must maintain a full stock of parts and service. A dealer with full stock of parts and factory certified technicians shall perform all Warranty service.

1.2 INSTRUCTION TO PROPONENTS

This request for proposals (RFP) is not a tender call, and the submission of any response to this RFP does not create a tender process. This RFP is not an invitation for an offer to contract, and it is not an offer to contract made by the Municipality.

Though the Municipality fully intends at this time to proceed through the RFP, in order to select the boilers, the Municipality is under no obligation to proceed with the purchase, or any other stage. The receipt by the Municipality of any information (including any submissions, ideas, plans, drawings, models or other materials communicated or exhibited by any intended Proponent, or on its behalf) shall not impose any obligations on the Municipality. There is no guarantee by the Municipality, its officers, employees or Managers, that the process initiated by the issuance of this RFP will continue, or that this RFP process or any RFP process will result in a contract with the Municipality for the purchase of the equipment, service, or Work.

It is the responsibility of each Proponent to ensure their Proposal arrives on time. Any late Proposals will not be accepted. Proposals may be withdrawn at any time prior to opening. Proposals received after the Closing Time or in locations other than the address indicated will not be accepted and will be returned unopened.

Any Proposals submitted by facsimile or telephone will not be accepted under any circumstances. Any corrections or additions to any submitted Proposal will not be accepted

unless it is initialed by the person signing the Proposal. All Proposals must be firm for 60 calendar days after the closing date.

Price to include any/all delivery charges to Springhill, Nova Scotia. Any Proposals that do not meet these criteria may be rejected. The Municipality reserves the right to waive technicalities, reject any or all proposals, or any portion thereof, to advertise for new Proposals, to proceed to do the work otherwise, or to abandon the work, if in the best interest of the Municipality. All Proposals shall be submitted on the Proposal Form supplied with this document.

This Proposal is not intended to exclude standard equipment or materials except where specified.

This Proposal is not intended to favor any particular equipment, manufacturer or contractor. Any names or figures the same or similar to any specific equipment, manufacturer or contractor is purely coincidental. The phrase "or equivalent" shall apply where a particular specification, equipment, manufacturer or contractor is mentioned. All goods shall be free from design deficiencies that may affect their operation or serviceability. Materials not defined here shall be of the best commercial quality and suitable for the purpose intended.

WORKERS' COMPENSATION

A certificate of good standing with the Workers' Compensation Board of Nova Scotia **must** be provided by the successful bidder prior to execution of the Articles of Agreement.

INSURANCE CERTIFICATE

A valid certificate showing at least $5,000,000 liability, **with the Municipality of Cumberland named under additional insured, must** be provided by the successful bidder prior to the execution of the Articles of Agreement.

It is recommended that prior to any proposal preparation and submission interested proponents make a site visit to the Springhill Administration Building. With advance notice, a Municipal representative can be available to conduct a site tour, answer questions and provide other project related information. To schedule a site visit, please contact Andrew Thomas at 902-664-1083 or by email at athomas@cumberlandcounty.ns.ca

1.3 CLARIFICATION AND ADDENDA

Notify the Municipality not less than three (3) working days before Proposal closing of omissions, errors or ambiguities found in this document. If it is considered that correction, explanation or interpretation is necessary; a written addendum will be issued. All Addenda become part of the Proposal documents.

Additional information, clarifications or instructions provided to a Proponent that may, in the opinion of the Municipality, be of general interest and any other information or instructions that

the Municipality may deem to be appropriate in the circumstances may be incorporated in an Addendum to the Proposal that will be distributed to all Proponents.

Direct all Proposal questions and queries to:

Contact: Shelby Hum
Email: shelbyhum@cumberlandcounty.ns.ca

It is the responsibility of the Proponent to ensure all addenda have been received. Addenda will be posted on the Municipality website at www.cumberlandcounty.ns.ca. The Municipality will not bear any responsibility for the failure of potential Proponents to obtain all documents before submitting a proposal.

2.0 SCOPE OF WORK

See attached Plans for scope and layout. All items listed in SCOPE OF WORK and shown on plans must be included in line items of Section 3.6.

The contractor must obtain Municipality of Cumberland approval of proposed construction procedures and schedules prior to beginning construction and installation.

3.0 PROPOSALS

3.1 PROPOSAL CLOSING

Proposals must be received at the Upper Nappan Service Centre no later than **October 24, 2024, at 2:00 P.M. ATLANTIC TIME.**

Late proposals will not be accepted and will be returned unopened.

3.2 PROPOSAL OPENING

Proposals will be opened publicly, on the Proposal Closing date at the Upper Nappan Service Centre, 1395 Blair Lake Road, Upper Nappan, NS, immediately following closing.

3.3 PROPOSAL SUBMISSION

The following is to be used in the preparation and submission of a proposal for **"SPRINGHILL ADMINISTRATION BUILDING BOILER REPLACEMENT"**

1. Completed vendor proposals and other correspondence should be submitted to:

MUNICIPALITY OF CUMBERLAND
UPPER NAPPAN SERVICE CENTRE
1395 BLAIR LAKE ROAD
UPPER NAPPAN, NS
B4H 3Y4

ATTENTION: Justin Waugh-Cress
Director of Public Works

Any proposals submitted by fax or telephone will not be accepted under any circumstances.

2. Proposals may be submitted in a sealed envelope clearly marked **"SPRINGHILL ADMINISTRATION BUILDING BOILER REPLACEMENT"**

3. Please provide **two (2) hard copies** and **one (1) PDF electronic copy** of your proposal.

4. Proposals may be submitted electronically, in a PDF document, to the below email. It is the responsibility of the vendor to confirm receipt of their proposal by the Municipality. This email address is for document submission only.

procurement@cumberlandcounty.ns.ca

The vendor agrees that the electronic signatures of the vendor on this document is intended to have the same force and effective as manual/original signatures. Delivery of an executed

copy of a proposal by electronic means permitted in this request for proposals constitutes valid and effective delivery.

3.4 PROPOSAL ACCEPTANCE

The Municipality reserves the right to reject any or all proposals. The Municipality reserves the right to accept a proposal that is not the lowest price or to accept any proposal which it may consider to be in its best interests. The Municipality reserves the right to waive formality, informality, or technicality with the acceptance of proposals for this work. Any proposal not supported by the information requested in this RFP may be rejected. The Municipality reserves the right to negotiate with any Proponent who has submitted a proposal as deemed in the best interest of the Municipality. The Consultant whose proposal is accepted by the Municipality is hereafter referred to as the "Successful Proponent".

3.5 EVALUATION OF PROPOSAL

PROPOSAL REQUIREMENTS
Please provide the information requested below in the proposal submission. Please be brief and concise in your response.

a) **Qualifications, Reference of the Supplier**
- Provide a general description of your company.
- Indicate the qualifications of the team to be assigned to the work including the names of any subcontractors that would be utilized.
- Detail the extent of the team's relevant experience.
- Please list your major municipal clients and references that would relate to this project.
- Provide a list of similar installations of the proposed equipment.

b) **Conformance to Specifications**
- Indicate how proposed equipment meets the specifications laid out in this RFP.
- Indicate how installation of the proposed equipment will meet current Building Code requirements.

c) **Work Plan and Schedule**
- Provide a detailed plan for completing the project, with a schedule that will meet the completion date identified below.
- Identify key components of the project and time spent on each major component of the work plan.
- Indicate delivery times for key components. Time is of the essence, and "in-stock" equipment will score higher than those with longer lead times.
- Proponents should assume that the project will take place during the 2024 construction season

d) **Project Fees**

- Fill out the Proposal Form in Section 3.6 to provide pricing for project components.

Selection of the successful Proponent will be based on the following point system. Each Proposal received will be evaluated and scored using the scoring system below. The highest score will be the preferred Proposal.

Criteria	**Score**	**Weighting**	**Weighted Score**
Qualifications and references of Proponent	___/10	10%	
Conformance to Specification and work plan	___/10	15%	
Schedule	___/10	25%	
Cost	___/10	50%	
TOTAL			

3.6 PROPOSAL FORM

	Item	Pricing
1	Proposed Boilers	
2	Removal of existing equipment	
3	Piping, wiring, valves, pumps and associated components	
4	Installation and commissioning	
5	Books, manuals, technical info. & misc. items.	
6		
	Subtotal	
	15% HST	
	Total	

Proponent agrees to deliver within _____ weeks of written notification of award.

Addenda No. ___ to ___ inclusive were carefully examined.

SIGNATURES DATED THIS _____ DAY OF _____, 2024.

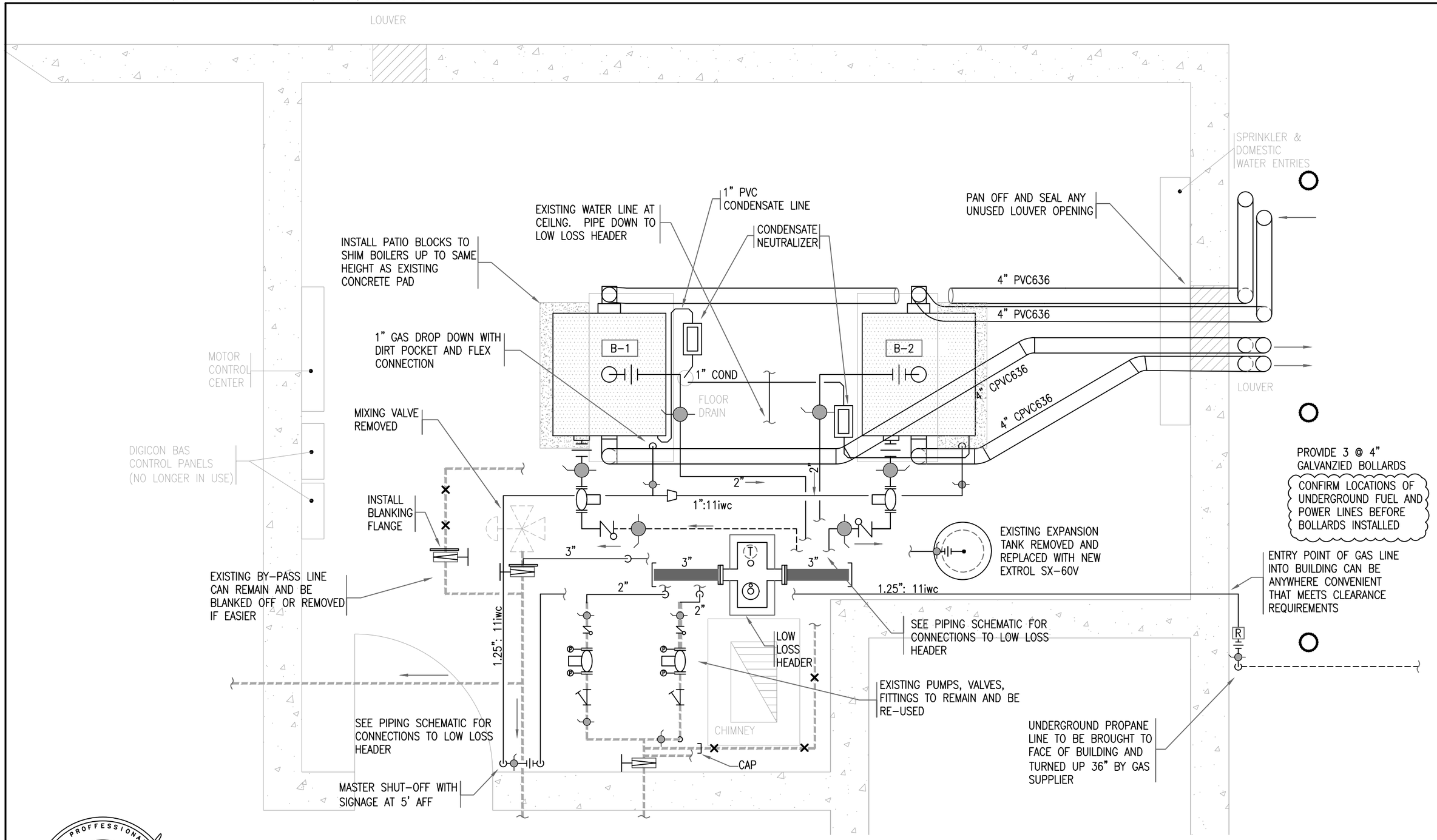
[Seal]

Name of Firm Proposing	Signature of Signing Officer
	Name and Title of Signing Officer (Printed)
Witness	Name and Title (Printed)
Witness	Name and Title (Printed)
Company Address	Telephone No.
	E-mail

**NOTE: *Proposals submitted by or on behalf of any Corporation must be signed and sealed in the name of such Corporation by a duly authorized officer or agent.*

SCHEDULE A

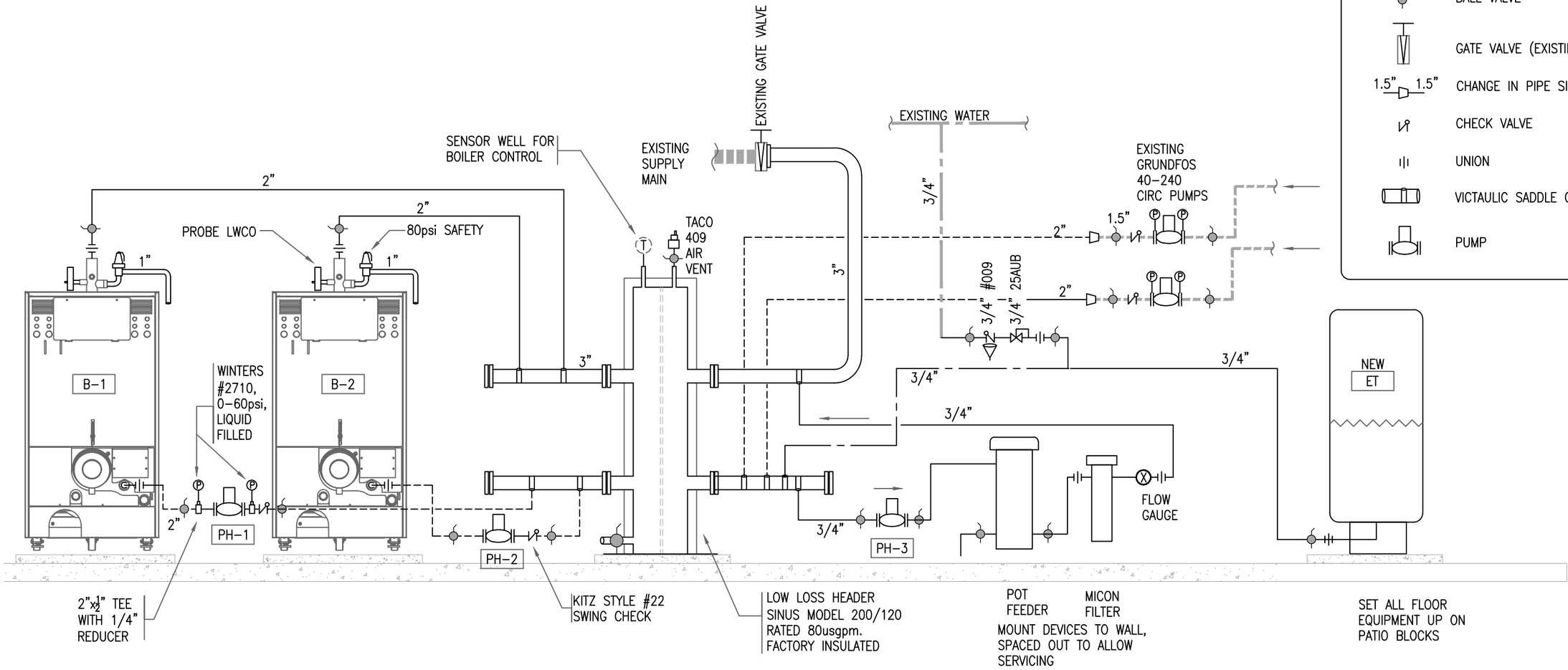
STRUM CONSULTING: Suite 210, 211 Horseshoe Lake Dr., Halifax, NS B3S 1B4 t: 902.835.5560



REGISTERED PROFFESSIONAL ENGINEER
PROVINCE OF NOVA SCOTIA
16 Nov 2023
DATE
R. S. BARBER
3960

Project: REPLACE BOILERS, SPRINGHILL MUNICIPAL BUILDING	strum CONSULTING	Drawn: RSB	Checked: RSB
		Date:16 Nov 2023	Dwg: MSK1
Title: FLOOR PLAN		Scale: 1/8"=1'-0"	
		Job #:9398	

STRUM CONSULTING: Suite 210, 211 Horseshoe Lake Dr., Halifax, NS B3S 1B4 t: 902.835.5560



REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF NOVA SCOTIA
16 Nov 2023
DATE
R. S. BARBER
3960

Project: REPLACE BOILERS, SPRINGHILL MUNICIPAL BUILDING	strum CONSULTING	Drawn: RSB	Checked: RSB
		Date: 16 Nov 2023	Dwg: MSK2
Title: PIPING SCHEMATIC		Scale: N.T.S.	
		Job #: 9398	

STRUM CONSULTING: Suite 210, 211 Horseshoe Lake Dr., Halifax, NS B3S 1B4 t: 902.835.5560

SCOPE OF WORK

1. REMOVALS
   - .1 Remove existing boilers, oil lines, oil tanks, boiler venting and all redundant pipes, valves and fitting.
   - .2 Cap base of existing chimney.
   - .3 Remove all redundant electrical wiring and controls.

2. COORDINATION OF WORK
   - .1 Careful coordination of work schedule is required because of cold weather. Coordinate with town officials time frame for work and when it should be undertaken!

3. WORK BY OTHERS
   - .1 Propane vendor will install propane tank and run underground gas line to the building with a regulator and valve.
   - .2 Existing heating elbows and fittings are being tested for asbestos.
     - .1 If asbestos is found removal details will be advised during tender period.

4. INSTALLATION STANDARDS
   - .1 All work to be done to manufacturers requirements.

5. PIPE SUPPORT
   - .1 Concrete inserts (confirm ceiling structure), threaded room and swivel band hangars.
   - .2 Concrete inserts, threaded rod, 3/4" sch40 and riser clamps for piping and equipment to be mounted close to floor.

6. CUTTING & PATCHING
   - .1 Allow for core drilling for gas supply.
   - .2 Allow cutting of existing louver for boiler intake and exhaust.
   - .3 Pan off existing louver not used.

7. PIPING
   - .1 Heating lines 3/4" to 2" to be:
     - .1 Sch40 steel with threaded joints.
   - .2 Heating lines over 2" to be:
     - .1 Sch40 steel with Victaulic fittings.
   - .3 Water lines to be type L copper with pressfit connections.
   - .4 Condensate lines: Sch40 PVC.
   - .5 Gas lines: Sch40 galvanized with galvanized fittings.

8. VALVES
   - .1 Isolation valves 3" and smaller to be ball valves, BMI series.

9. PUMPS:
   - .1 PH-1 & PH-2, Boiler pumps: Grundfoss UPS43-44
   - .2 PH-3, Water treatment pump: Grundfoss 15-58.

10. BOILERS:
    - .1 B-1 & B-2: Viesman Vitocrossal 200, C12-399, propane
    - .2 Accessories
      - .1 80 psi relief valve
      - .2 Probe type LWCO, model 650A
      - .3 Condensate neutralizer kits, model N070.
      - .4 Lockinvar Identified on drawings.

11. LOW LOSS HEADER
    - .1 As listed on drawings.

12. BOILER VENTING AND COMBUSTION AIR
    - .1 Venting: Sch40 CPVC as per boiler manufacturer requirements
    - .2 Air supply: Sch40 PVC as per boiler manufacturer requirements.

13. BOILER ROOM CONTROLS
    - .1 Provide control wiring to cascade two boilers together as per manufacturers requirements.

14. EXPANSION TANK: Provide new expansion tank as listed on drawing.

15. WATER TREATMENT
    - .1 Carry an allowance of $2,600 for the following equipment and services to be provided by Millenium Water Treatment
      - .1 4" x 10" filter housing with 10, 5 micron filters
      - .2 2 gal pot feeder
      - .3 3/4" turbine flow meter
      - .4 10 gal WM8588 pipe cleaner
      - .5 5 gal WM8675 nitrit inhibitor
      - .6 1 Nitrite test kit.
    - .2 Millenium to provide direction on cleaning and inhibiting protocols as required.

16. PIPE INSULATION (Exposed)
    - .1 Acceptable material: Owens-Corning Fiberglass ASJ/SSL-II heavy density pipe insulation with factory applied all service jacket with lap and butt joint double self sealing lap.
    - .2 Mitered elbows with 3" mylar tape sealant where concealed.
    - .3 PVC elbows where exposed.
    - .4 Seal exposed edges at valves with mastic.
    - .5 Thickness:
      - .1 1" on all heating lines.

17. BOILER START-UPs
    - .1 Provide boiler start ups with written report to manufacturers requirements.

18. WIRING
    - .1 Provide disconnect switches with red cover plates just inside the boiler room.
    - .2 Each boiler to have a separate circuit.
    - .3 Provide wiring from boiler control to LWCO and boiler circ pump.
    - .4 Provide control wiring from low loss header temp sensor to lead boiler
    - .5 Provide wiring from outdoor sensor to lead boiler
    - .6 Provide interconnect communication wiring between boilers
    - .7 Exposed wiring in to be run in EMT except for final 2' connection to pumps or equipment which may be AC90
    - .8 Provide 120v pilot duty x 208v switching relay to control main heating circ pump.
      - .1 Secondary (standby) heating pump is manually controlled by staff and is started in cold weather.
    - .9 Provide separate circuit and switch for pump PH-3 (fph).

19. GAS PIPING
    - .1 rovide propane piping from outside wall to all equipment as shown on drawing.
    - .2 Piping to be sch40 galvanized.
    - .3 Submit for permit for gas piping and equipment installation.

End

Project: REPLACE BOILERS, SPRINGHILL MUNICIPAL BUILDING	strum CONSULTING	Drawn: RSB	Checked: RSB
		Date:16 NOV 2023	Dwg: MSK3
Title: MECHANICAL SCOPE OF WORK		Scale: N.A.	
		Job #:9398	

SCHEDULE B

ALL-TECH
ENVIRONMENTAL SERVICES LIMITED

885 Bayside Drive
Saint John, NB E2R 1A3
Web: www.toalltech.com

Ph: 506.658.1058
Fax: 506.652.7998
Email: email@toalltech.com

Steve Varner
Cumberland County
43 Main Street
Springhill, Nova Scotia
B0M 1X0

Date: December 20, 2023
Project: NB5000

RE: Analysis Report on Suspect Asbestos Building Materials.

On December 15, 2023, ALL-TECH Environmental Services Limited received two (2) bulk samples of suspect asbestos building materials from 43 Main Street, Springhill, Nova Scotia.

The samples were submitted to EMC Scientific Inc, Mississauga, Ontario for asbestos content analysis. EMC Scientific Inc is an NIST-NVLAP accredited laboratory for asbestos bulk analysis.

What is Asbestos?

Asbestos is a generic term which is used to describe a group of naturally occurring fibrous mineral silicates (fibrous rock). Six main types of asbestos are: chrysotile, amosite, crocidolite, anthophyllite, tremolite, and actinolite. Heat resistant, corrosion, and tensile qualities of asbestos have been so beneficial, that from the late 1800 to the mid 1980's, asbestos was used worldwide in over 3000 different commercial products. Asbestos has been used in fireproofing materials, friction products, reinforcing building materials, insulations materials (thermal/acoustic), etc.

Results

The samples were analysed by EMC Scientific Inc for asbestos identification by Polarized Light Microscopy (PLM), utilizing Dispersion Staining Techniques (DS). The EPA 600/R-93/116 Analytical Method was followed. The lab results of the analysis are attached.

Results of the asbestos analysis indicate that the samples did not contain asbestos at a concentration of at least 1%. According to WorkSafe NB "*asbestos-containing material" means material, including fireproofing, friction products, textiles, insulation or reinforcing materials, which contains one per cent (1%) or more by volume of asbestos.* (*A Code of Practice for working with Materials containing Asbestos in New Brunswick referenced in New Brunswick General Regulation 91-191 under the Occupational Health and Safety Act June 2023*).

If you have any questions regarding the report or results, please contact me at 506-658-1058 or via email at lcormier@toalltech.com

Thank you,

Lise Cormier B.Sc.
Environmental Consultant
ALL-TECH Environmental Services Limited

emcscientific
INCORPORATED

Laboratory Analysis Report

To:

Lise Cormier
All-Tech Environmental Services Ltd
885 Bayside Drive
Saint John, New Brunswick
E2R 1A3

EMC LAB REPORT NUMBER: A98917
Job/Project Name: Cumberland County Municipality 45 Main St, Springhill, NS
Analysis Method: Polarized Light Microscopy – EPA 600
Date Received: Dec 18/23 **Date Analyzed:** Dec 18/23
Analyst: Katelyn Stolte
Reviewed By: Malgorzata Sybydlo

Job No: NB5000
Number of Samples: 2
Date Reported: Dec 19/23

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
#1	A98917-1[5]	Elevator shaft cement floor	2 Phases: a) Dark grey, cementitious material b) Light grey, cementitious material	**ND** **ND**			100 100
#2	A98917-2	Pipe insulation	Yellow, fibrous material	**ND**		90	10

Note:
1. Bulk samples are analyzed using Polarized Light Microscopy (PLM) and dispersion staining techniques. The analytical procedures are in accordance with EPA 600/R-93/116 method.
2. The results are only related to the samples analyzed. **ND** = None Detected (no asbestos fibres were observed), **NA** = Not Analyzed (analysis stopped due to a previous positive result).
3. This report may not be reproduced, except in full without the written approval of EMC Scientific Inc. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.
4. The New Brunswick Regulatory Threshold for asbestos is 1%. The limit of quantification (LOQ) is 1%.
5. This sample is large in size. A representative portion was taken and analyzed.

EMSL Canada Inc.

2756 Slough Street Mississauga, ON L4T 1G3
Phone/Fax: (289) 997-4602 / (289) 997-4607
http://www.EMSL.com / torontolab@emsl.com

EMSL Canada Order 552317269
Customer ID: 55STRU78
Customer PO: 23-9398
Project ID:

Attn: Jeff Faulkner
Strum Consulting
211 Horseshoe Lake Drive, Suite 210
Halifax, NS B3S 1B4

Phone: (902) 835-5560
Fax: (902) 835-5574
Collected:
Received: 11/08/2023
Analyzed: 11/08/2023

Proj: 23-9398

Summary Test Report for Asbestos Analysis of Bulk Materials for Nova Scotia Code of Practice Section 66 OHS Act - Asbestos in the Workplace

Client Sample ID: A1(NV07) ***Lab Sample ID:*** **552317269-0001**

Sample Description: Municipal Building/Pipe Elbow

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/08/2023	Gray	25.0%	75.0%	None Detected	

Analyst(s):

Antonio Peluso PLM (1)

Reviewed and approved by:

Matthew Davis or other approved signatory
or Other Approved Signatory

None Detected = <0.1%. EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This is a summary report; official reports are available on LabConnect or upon request and relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Canada Inc. Mississauga, ON NVLAP Lab Code 200877-0

Initial report from: 11/08/202319:52:06

OrderID: 552317269

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number *(lab use only)*: 552317269

Company Name : Strum Consulting		**EMSL Customer ID:**	
Street: 1355 Bedford Highway		**City:** Bedford	**State or Province:** NS
Zip/Postal Code: B4A 1C5	**Country:** CA	**Telephone #:** 902.835.5560	**Fax #:** 902.835.5574
Report To (Name): Jeff Faulkner		**Please Provide Results via:** ☐ Fax ☒ Email	
email Address: rbarber@strum.com, jfaulkner@strum.com		**Purchase Order Number:**	
Client Project ID: 23-9398		**EMSL Project ID** *(internal use only)*:	
State or Province Collected: NS		**CT only** ☐ **Commercial/Taxable** ☐ **Residential/Tax Exempt**	

EMSL-Bill to: ☐ Same ☐ Different - *If bill to is different note instructions in comment. Third party billing requires written authorization from third party*

Turnaround Time (TAT) Options Please Check

☐ 3 Hour | ☐ 6 Hour | ☒ 24 Hour | ☐ 32 Hour* | ☐ 48 Hour | ☐ 72 Hour | ☐ 96 Hour | ☐ 1 Week | ☐ 2 Week

*32 Hour TAT available for select tests only; samples must be submitted by 11:30am
Please call ahead for large projects and/or turnaround times 6 hours or less.

PLM - Bulk (reporting limit)	TEM – Bulk
☒ PLM EPA 600/R-93/116 (<1%)	☐ TEM EPA NOB – EPA 600/R-93/116 Section 2.5.5.1
☐ PLM EPA NOB (<1%)	☐ NY ELAP Method 198.4 non-friable - NY
Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ Chatfield Protocol (semi-quantitative)
Point Count w/Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ TEM % by Mass – EPA 600/R-93/116 Section 2.5.5.2
☐ NIOSH 9002 (<1%)	☐ TEM Qualitative via Filtration Prep Technique
☐ NY ELAP Method 198.1- friable - NY	☐ TEM Qualitative via Drop Mount Prep Technique
☐ NY ELAP Method 198.6 NOB- non-friable - NY	**Other tests (please specify)**
☐ NY ELAP Method 198.8- Vermiculite Surfacing Material	
☐ OSHA ID-191 Modified	☐
☐ EMSL Standard Addition Method	

☐ **Positive Stop – Clearly Identify Homogenous Areas (HA)** **Date Sampled:**

Sampler's Name: **Sampler's Signature:**

Sample #	HA #	Sample Location	Material Description
A1(NV07)		Municipal Building	Pipe Elbow

Client Sample # (s): **Total # of Samples:**

Relinquished by (Client): Date: Nov 7 2023 Time: 1pm

Received by (Lab): Date: 11/8/23 Time: 9:43a

Comments/Special Instructions:

Page 1 of 1

Controlled Document – COC-01 Asbestos Bulk – R4 – 09/10/2019

EMSL Analytical, Inc.'s (DBA: LA Testing) Laboratory Terms and Conditions are incorporated into this chain of custody by reference in their entirety. Submission of samples to EMSL Analytical Inc. constitutes acceptance and acknowledgment of all terms and conditions.

Purolator # 334389218457

RECEIVED
EMSL CANADA INC.
TORONTO
2023 NOV -8 A 9:43