

174 Main Street

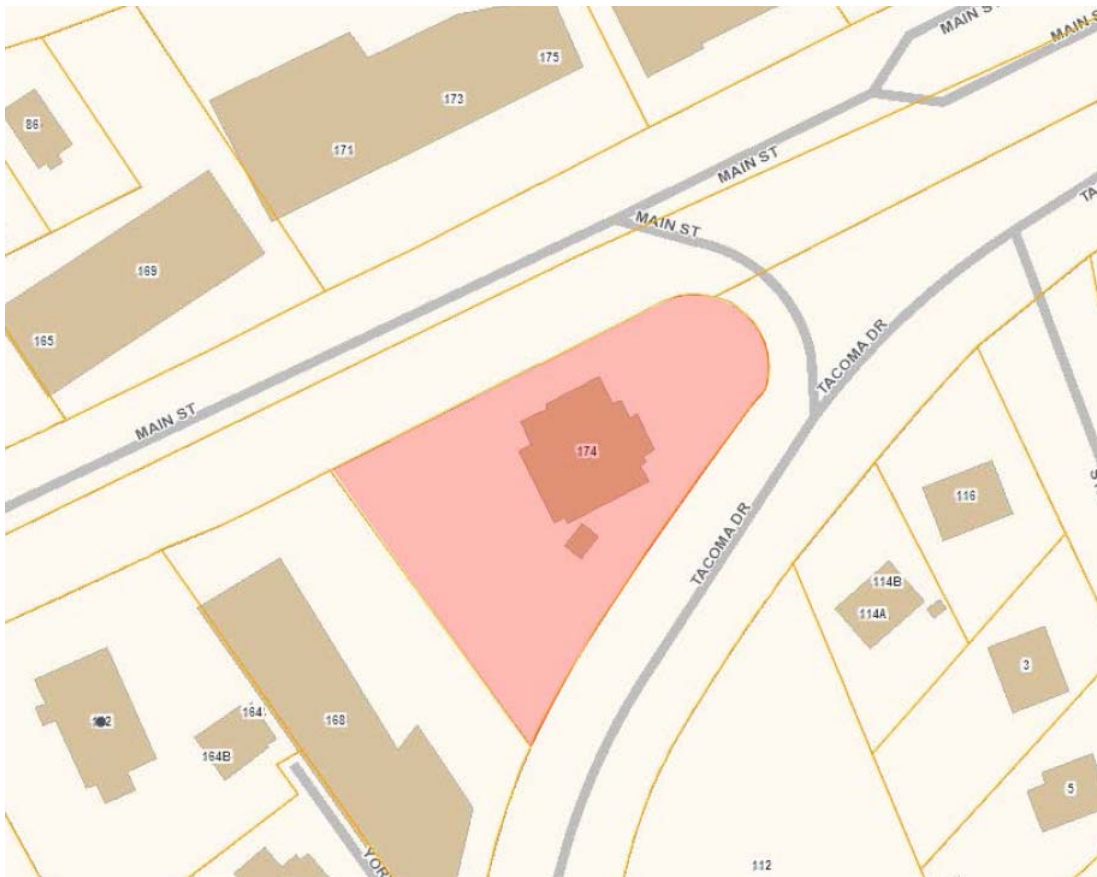
## Demolition

Prepared by Geoff MacLean, P.Eng.

Job No. 35307

## CONSTRUCTION MANAGEMENT PLAN

REVISION #	DATE	DESCRIPTION
0	AUG 2020	ISSUED FOR REVIEW



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## Section 1: Introduction

### 1.1: Project Description and Objectives

The Developer is planning to demolish the existing building located at civic 174 Main Street. This property fronts on Main street and Tacoma Drive. This property currently has one building on the lot, with parking accessed from Main and Tacoma. Once the building is demolished this land parcel will be used for future redevelopment. This CMP has been prepared for only the demolition phase of this project.

For Public safety during the demolition of the building on the site, a row of construction fencing positioned at the property line will be installed prior to demolition. This fencing will be anchors/weighted down to prevent movement. No public encroachments are anticipated for the demolition phase of this project. The existing building is setback from the street line and will not require hoarding of the public sidewalks adjacent to the demolition site. The sidewalks fronting Main Street and Tacoma Drive will remain open to the public and two-way vehicle traffic will be maintained. Throughout demolition, all work will remain on private property.

The existing building services will be capped at the property line and left in place; further abandonments and disconnects from the mains will wait until building permit construction to avoid cutting the road.

The project borders a commercial plaza on Main Street and residential properties on Tacoma Drive. Opposite Main Street are various other commercial businesses. Opposite Tacoma Drive is an active construction site and residential properties. All neighbouring properties will remain undisturbed throughout construction and all neighbours will be notified and updated on construction ahead of time.

This CMP document is intended to be an evolving document to help guide the project team to mitigate impacts to the adjacent community before they arise and to address unforeseen issues. SDMM, together with the developer, contractor, and traffic control company, have prepared this Construction Management Plan (CMP) following HRM's CMP (2020) guidelines and administrative order (2018-005-ADM) in an effort to reduce potential negative impacts on the surrounding community, due to construction activities for this project.

The most up-to-date version of this document will be kept on-site at all times during construction. Should ownership or contracting services change throughout the course of this project, HRM will be notified immediately and new parties will be required to comply with the approved CMP in writing.

### 1.2: Project Contact Information

The project team for the proposed development consists of:

Role	Name	Contact	Address	Phone
<b>Developer</b>	Hage Investments Ltd.	Jamil Hage	1040 Bedford Hwy, Bedford, NS B4A 1B4	<b>(902) 221-6121</b> <b>24 Hr Emergency Contact</b>
<b>Site Contractor</b>	DJ Excavation	DJ Day	7295 Highway 7 Musquodoboit Harbour, NS BOJ 2L0	(902) 471-6987
<b>Traffic Control Company</b>	Frontline Traffic Services	Phil Pruneau	6 Belmont Avenue, P.O. Box 89 Eastern Passage, NS B3G 1M7	(902) 818-5548
<b>Rodent Control Company</b>	Rentokil Atlantic Pest Control	Rob Colwell	51 Duke Street, Bedford, NS B4A 2Z2	(902) 789-7368

## Section 2: Project Schedule and Logistics

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The following is a brief summary of anticipated major project milestones broken down by phase:

### 2.1: Schedule

Project Phase	Start Date		End Date	Time Period
Rodent Control Program	August 1, 2020	-	October 30, 2020	3 Months
Demolition	August 15, 2020	-	September 15, 2020	1 Month
Service Abandonments	-	-	-	n/a

### 2.2: Key Dates

- Set up safety fencing along property lines August 15, 2020
- Temporary street and sidewalk encroachments:
  - No encroachments are anticipated for the project

### 2.3: Hours of Work

Work will generally take place during normal working hours as outlined in HRM's Noise By-Law and Traffic Control Manual Supplement; these are noted below.

- Monday to Friday: 7:00 a.m. – 9:30 p.m.
- Saturdays: 8:00 a.m. – 7:00 p.m.
- Sundays & Statutory Holidays: 9:00 a.m. – 7:00 p.m.
- Servicing Work: Same as Above

Although work is not expected to be required outside of the times listed above, if, for any reason, work is anticipated to be required outside of these hours, the contractor will apply to HRM for approval 5 business days (minimum) in advance of such work and obtain approval prior to proceeding. It is noted that HRM's Noise By-Law cannot be altered without HRM council approval; work must adhere to the Noise By-Law.

## Section 3 – Relevant Regulations & Guidelines

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### 3.1: Occupational Health & Safety Regulations

This CMP shall be utilized in agreement with all applicable Provincial and Federal Occupational Health and Safety Regulations. At a minimum, construction activities must at all times meet the standards of:

- a) National Building Code of Canada, as adopted and modified under the Building Code Act and the Nova Scotia Building Code Regulations made under that Act;
- b) Nova Scotia Occupational Health and Safety Act, and the Nova Scotia Occupational Safety General Regulations made under that Act;
- c) The Transportation Association of Canada (TAC)'s Manual of Uniform Traffic Control Devices for Canada (MUTCDC); and
- d) Nova Scotia Temporary Workplace Traffic Control Manual (NSTCM).

### 3.2: Municipal Regulations & Guidelines

In addition to the Provincial and Federal standards referenced in Section 3.1, this CMP shall be utilized in agreement with and meet, at a minimum, the standards of all relevant municipal by-laws including, but not limited to, the following:

- e) S-300 Streets;

- f) E-200 Encroachments;
- g) B-201 Building;
- h) N-200 Noise;
- i) T-600 Trees;
- j) S-900 Controlled Access Streets;
- k) T-400 Truck Routes;
- l) W-101 Discharge into Public Sewers;
- m) B-600 Blasting; and
- n) HRM TCM Supplement.

## Section 4: Vehicle Management

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Prior to any construction activity, all temporary workplace traffic control devices and signage will be in place as per the Nova Scotia Temporary Workplace Traffic Control Manual (latest edition). The traffic control company will install the signage and ensure that they are maintained throughout the project. This project's Traffic Control Plans (TCPs) are listed in the Appendix.

### 4.1: Vehicular Traffic Control

A Traffic Control Plan (TCP) has been prepared by the traffic control company and is provided in the Appendix.

Throughout all phases of construction two-way vehicular traffic will be maintained. While services abandonments are addressed temporary lane closures will not be required. Please refer to the appendices for required traffic control plans.

### 4.2: Haul Route and Staging Areas

The truck Haul Route Plan has been prepared by the traffic control company and is provided in the appendix. The selected route is intended to minimize traffic congestion and maximize pedestrian safety. During demolition construction vehicles will enter and exit the site at the gate locations which will be clearly marked for function.

### 4.3: Vehicular Traffic Notifications

Should any traffic disruptions be required, notifications will be distributed to properties in the impacted area a minimum of five (5) days in advance of vehicular traffic closures.

### 4.4: Emergency Vehicles

In the event of unforeseen emergency situations, the site will remain accessible to emergency vehicles at all times.

### 4.5: Parking

Un-metered on street public parking adjacent to the project is currently prohibited along Main Street and permitted along Tacoma Drive. Un-metered on street parking will not be affected by this project.

It is noted that passenger vehicles are not permitted to park within any encroachment areas.

To minimize parking requirements in adjacent neighbourhoods, on-site workers will utilize private property and workers will be encouraged to carpool or rely on public transit.

### 4.6: Bus Stops

There are no bus stops directly adjacent to the project.

#### 4.7: Hazard Assessment

A vehicular and pedestrian hazard assessment is provided in the appendix. Any additional site hazards identified or encountered after work has commenced will be added to this list. All personnel on-site will be required to review this list and encouraged to identify additional potential hazards and hazard mitigation methods.

## Section 5: Pedestrian Management

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A Pedestrian Management Plan (PMP) has been prepared by the traffic control company and is provided in the appendix.

#### 5.1: Pedestrian Protection

Pedestrians will be protected by distancing them from the project. During demolition weighted down modular construction fencing will be positioned along the property line during general works.

#### 5.2: Pedestrian Safety

Pedestrian safety will be maintained by implementing appropriate signage as shown on the PMP. All navigation and safety signage indicating alternative sidewalks and potential hazards will be inspected and maintained regularly.

#### 5.3: Pedestrian Traffic Notifications

Notifications will be distributed to properties in the impacted area a minimum of five (5) days in advance of pedestrian traffic impacts.

#### 5.4: Visually Impaired Persons

In keeping with Canadian National Institute for the Blind (CNIB) requirements and as outlined on their 'Clearing Our Path' website; various items will be incorporated into the pedestrian management signage and barriers. Such as, high visibility contrasting colours with appropriate font types (mix of upper and lower-case lettering), font sizes (between 16mm to 51mm) and sign colours (orange background with black lettering or white background with black lettering).

The contractor will use bright orange sawhorse barricades complete with bold-font signage to identify sidewalk termination points. Reflective tape will also be placed on the ends of fencing, hoarding, sawhorse barricades, and concrete barriers to help delineate pedestrian routes and disruptions. Signage and tape colours will vary but will comply with the colour/brightness contrast as outlined by the CNIB website; examples are black/white, orange/black or dark red/white combinations.

#### 5.5: Accessibility

High visibility signage will be used to assist pedestrians to easily navigate around all project related blocked sidewalks.

#### 5.6: Hazard Assessment

A vehicular and pedestrian hazard assessment is provided in the appendix. Any additional site hazards identified or encountered after work has commenced will be added to this list. All personnel on-site will be required to review this list and encouraged to identify additional potential hazards and hazard mitigation methods.

## Section 6: Encroachments & Disruptions

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For public safety during demolition we are proposing that the project compound be limited to the property limits. Public sidewalks along Main and Tacoma will only be utilized as described in section 1. No encroachments are



anticipated for this project. To keep the public away from potential hazards weighted modular construction fencing with translucent covering will be use at the property line.

Throughout the project, fencing will not obstruct vehicle sight lines.

Should any utility or traffic disruptions be required, the contractor will first apply to HRM for approval, a minimum of five (5) business days in advance of such work and will then notify neighbours of these disruptions in a timely fashion.

### **6.1: Demolition**

The demolition phase includes demolishing the existing building on the site. This building is setback away from the street line and no temporary sidewalk closures is required.

### **6.2: Site Excavation**

This CMP does not speak to excavation as such any planned excavation must maintain 5m from the street right of way.

### **6.3: Site Services Connection**

The various existing services for the buildings will be capped at the street line as part of the demolition project. This lot is planned to be redeveloped which will be addressed under a separate CMP. The services for this new building and the disconnection of existing services will be addressed after building permit and are not part of this CMP.

### **6.4: Construction Management Plan Element Inspection and Maintenance**

Construction management plan elements will be inspected daily to ensure continued adherence to this CMP. Any deficiencies identified will be reinstated immediately. A CMP's TCP & PMP inspection report summary will be completed for the project, including information on what maintenance activities were conducted. This report must be kept on site at all times and be available to HRM upon request.

### **6.5: Changes to the Construction Management Plan**

Any required changes or modifications to the approved CMP will be submitted to HRM for review and approval prior to implementation.

## **Section 7: Environmental Factors**

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### **7.1: Damage to HRM Infrastructure**

Existing sidewalks adjacent to the project and those across the street are not anticipated to be impacted by excavation or other construction activities. However, while efforts will be made to avoid damage, it is anticipated that some portions of existing curbs, gutters, and sidewalks may become damaged during the construction process which would require repairs or replacement. Pending HRM's review prior to and after construction and subject to damage due to construction activities, the developer acknowledges that items may require to be fully replaced rather than repaired. The developer also acknowledges that any costs incurred to repair or replace this public infrastructure are the responsibility of the owner.

For reinstatement timeline requirements, it is noted that asphalt, concrete curb and sidewalk reinstatement must be completed within 72 hours of disturbance and will be considered temporary if reinstated after October 31<sup>st</sup> or prior to May 1 in which case permanent reinstatement will be completed by June 15 of the following construction season.

## 7.2: Protection of Trees

There are no street trees within the public right-of-way directly adjacent to the project site on Main Street or Tacoma Drive. It is noted that HRM street trees shall not be touched prior to approval and/or compensation agreements between the developer and HRM Urban Forestry are in place. Adjacent street trees are to be protected during construction in accordance with the HRM Tree Bylaw (T-600). Refer to HRM tree protection detail in the appendix.

## 7.3: Line Painting and Temporary Crosswalks

Temporary line painting such as altered centreline or temporary crosswalk are not anticipated for this project.

## 7.4: Street and Right-of-Way Cleaning

The portion of public street adjacent to the project will be cleaned daily of any debris from trucks and silt, dirt, or rock that migrates beyond the encroachments. A sweeper truck will be utilized as required. Rock pads will be installed and maintained at all entrances to trap sediment.

## 7.5: Protection from Inclement Weather

To protect the public from construction debris during inclement weather, the project site will be enclosed by fencing complete with dust control covering, the site will be regularly reviewed and cleaned, with loose items secured when not in use.

## 7.6: Storm Water Management

During demolition, nearby catch basins may be fitted with filter fabric to prevent debris from entering the storm system. Storm water that falls on the site will maintain existing drainage patterns utilizing existing infrastructure. Excavations on site will maintain 5m setback from the street right of way, with temporary stormwater settling ponds situated within on private property to allow clean water to be pumped into the existing public storm water systems in accordance with HRM By-law W-101 complete with appropriate fees to Halifax Water (HW). Sediment ponds may be shifted and positioned as desired by the site contractor during mass excavation however will generally be placed in localized low points within the site excavation.

## 7.7: Noise, Dust and Emission Control

Dust mitigation for this project will be achieved using rock pads for trucks exiting the site. A water truck and sweeper truck will also be utilized to help prevent dust from becoming airborne and, when required, calcium may need to be used to mitigate dust migration. Additionally, mesh on the inside of the fencing will help to contain any airborne dust inside the site.

Breaking of rock may occur and rock faces cleared to form a wall. Mesh will be used on the inside of all construction fencing to mitigate dust control.

All construction vehicles will be required to use the loading area for parking and idling to keep exhaust emissions within the construction zone. Vehicles will be staged so that idling will not occur for more than 3 minutes at a time.

As indicated above, all work shall be completed in accordance with the HRM Noise By-Law.

## 7.8: Rodent Control

Rodent movement increases during construction activities. The owner has engaged a rodent control company, who has established a Rodent Control Plan (RCP) to help mitigate rodent movement prior to and during construction. The RCP applies to all project phases with the goal of preventing movement of rodents off-site to find safe refuge in adjacent areas. The RCP will consist of a baiting and monitoring program. Bait stations (traps) will be placed as outlined in the NPMA Pest Management Standards for Food Processing & Handling Facilities.

The RCP will be engaged 1 month prior to the commencement of the demolition phase to help to lower the number of active rodents in the project area. Bait stations will be positioned along existing buildings prior to demolition. Post demolition the bait stations will be moved to the edge of the project and secured in place using wooden stakes (for open sodded and dirt locations), weighted patio stones (behind walls and on paved areas), and zip-ties (fixed to fences) as per typical industry standards.

Refer to the appendix for a copy of the Rodent Control Plan.

## Section 8: Site Protection & Hoarding

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### 8.1: Barriers, Fences, and Gates

The property line will be delineated using weighted modular construction fencing, total height shall be 1.8m or 6ft as per the noted administrative order. This fencing will be covered with a translucent dust control mesh of high quality which will extend a minimum 3m from the public right-of-way. This screening is described in the appendix and will block passersby or tourists view of the construction site. Construction traffic will utilize the proposed gates, gate will not be screened for safety reasons.

Along the private sidelines where non-vehicular traffic is present, the hoarding will be delineated by weighted modular 1.5m (5ft) high fencing or existing fencing where it is at least 1.5m tall. All fencing will have dust control mesh.

Installation of fencing and covering will take place during regular working hours as noted above. This work will be scheduled by the contractor after the HRM's pre-construction meeting has been held. HRM will coordinate this pre-construction meeting; the developer, contractor and traffic control company will attend this site meeting. During the process of erecting and tearing down the fencing and opaque covering defining the property line, traffic control elements will be implemented as per the Barrier Installation Plan in the appendix. All work and any traffic interruptions will be coordinated by the contractor who will notify HRM a minimum of five (5) business days before work is scheduled to begin.

### 8.2: Snow removal

The developer will be responsible to remove snow and ice as required to ensure that emergency access is maintained to the project site, this includes fire hydrants. The contractor will not dump snow or ice onto adjacent property and will truck snow off site as required to prevent the unsafe build-up of snow piles.

### 8.3: Emergency Access & Egress

The site will be accessible through gates. These gates are the only locations that will receive equipment/materials during construction and will be locked at all times after work hours. In cases of emergencies, on-site workers will exit the project site through these gates. These gates will remain unlocked at all times when workers are on site in case of emergency allowing unrestricted emergency response units access to the site.

Any existing fire hydrants located adjacent will remain protected from construction activities. These fire hydrants, along with the existing and proposed fire department connections (Siamese connections) will be accessible to firefighters throughout all phases of the project. Adjacent existing hydrants and fire department connections are not anticipated to be affected by construction.

### 8.4: Hoarding Aesthetics

The site hoarding will resemble that shown in the appendix; encroachment fee reductions are not anticipated.

### 8.5: Sight Lines

Fencing and signage will be installed as per the CMP drawings such that vehicle sight lines are maintained around corners.

## Section 9: Lifting, Hoisting, and Crane Operations

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### 9.1: Crane Use Overview

We do not anticipate the use of a cranes for this phase of the project.

### 9.2: Transport Canada and Nav Canada Regulations

Cranes are not anticipated for this phase of work.

## Section 10: On-Site Safety and Security

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### 10.1: Site Safety and Security Overview

The contractor will adhere to all Occupational Health & Safety requirements throughout the completion of this project. At a minimum, the following safety protocols will be utilized to further enhance site safety and security:

- a) All workers will be required to have proof of up-to-date safety training;
- a) Personal protective equipment (PPE) will be required for all personnel on site;
- b) Adequate signage will be placed outside the hoarding, which will warn of hazards that may exist;
- c) Gates will be locked and the perimeter fencing secured to provide security against public access during off work hours and will be monitored during operation;
- d) Hoarding will clearly state “No Trespassing – Construction Personnel Only” & PPE requirements will be clearly identified (e.g., “Hard Hats and Safety Footwear Must Be Worn Beyond This Point”);
- e) Regular safety inspections will be conducted to ensure suitability of hoarding and other safety devices;
- f) Emergency contact information to be prominently posted as per the Project Information Board.

### 10.2: Material Handling: Loading, Unloading, Delivery and Storage

The contractor will adhere to the procedures stipulated in the Haul Route Plan for delivery of materials. Delivery vehicles will use the designated gates for entry and exit. Timing of deliveries will be coordinated to have the least possible negative impact on regular traffic. The staging and delivery area will be housed on private property within the hoarding limits.

### 10.3: Emergency Access & Egress

The site will be accessible through a gate stationed at an existing driveway to facilitate construction vehicle access. This gate is the only locations that will receive equipment/materials during construction. This gate will be clearly marked for function. In cases of emergencies, on-site workers will exit the project site through this gate. This gate will remain unlocked at all times when workers are on site in case of emergency allowing unrestricted emergency response units access to the site. Gates will be locked and secured afterhours to provide security against public access during off work hour. Emergency contact information will be posted on project information boards surrounding the site, refer to the CMP plan for details.

#### 10.4: Security Site Lighting

Security site lighting is not anticipated for this project.

#### 10.5: Smoking Areas

On site smoking areas will not be provided as this will be a smoke-free site.

#### 10.6: Fire Suppression Systems

The existing buildings will have their water supply turned off and as such any existing fire suppression systems will no longer be available during demolition of these buildings. The adjacent existing fire hydrants will remain outside the project area and will be protected from construction activities. These fire hydrants, along with any existing fire department connections (Siamese connections) will be accessible to firefighters throughout all phases of the project.

There are no proposed fire department connections at this stage of the project. These are not available for fire department use until after the building's water supply lines have been installed, tested and commissioned by the water commission, similar with the fire suppression system. This system will not be active until after the building is near complete and the encroachment fencing has been removed.

## Section 11: Pre-Construction Consultation & Meeting

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#### 11.1: Pre-CMP Community Consultation

Due to the current pandemic, the developer will forego the community consultation meeting. A construction notification letter will be delivered to the properties neighbouring the construction site as well as HRM staff, notifying them of the expected work with contract information for questions and feedback. A map indicating these properties has been included in the appendix.

#### 11.2: Project Information and Contacts

To encourage communication between the project team and the public, contact information will be provided on Project Information Boards; these will be posted prominently around the project site on the fencing; refer to the appendix for a copy of the Project Information Board and the CMP Plan for the planned locations. Information on signage size and materials is outlined in the appendix.

#### 11.3: Preconstruction Meeting

Prior to construction the developer, contractor and traffic control company will attend a pre-construction meeting with HRM staff to review the CMP document on site. HRM's engineering technician will confirm the date and time of this meeting; and may wish to waive the requirement.

#### 11.4: Construction Notification

Approximately five (5) business days prior to the encroachment, an additional notification will be circulated to the neighbouring properties, notifying them that work is starting on site.

## Section 12: Summary

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This construction management plan was prepared with the goal to minimize negative impacts to the community, pedestrians, and traffic throughout the scope of this project. This plan will be used as a minimum standard and any further safety protection required or methods to provide a more positive environment will be used throughout construction work as necessary.

Should you have any questions or comments related to this document, please contact SDMM. For all construction-related inquiries, please contact the developer, contractor, or traffic control service provider.

Regards,

**Servant, Dunbrack, McKenzie & MacDonald Ltd.**

Geoff MacLean, P.Eng.

Project Engineer

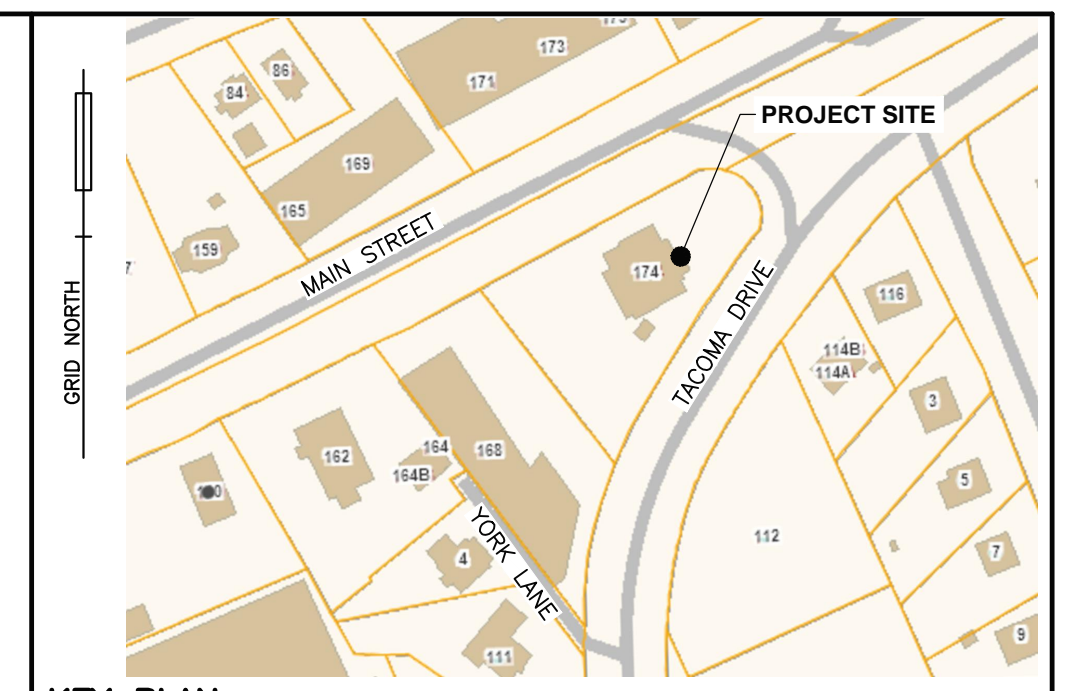
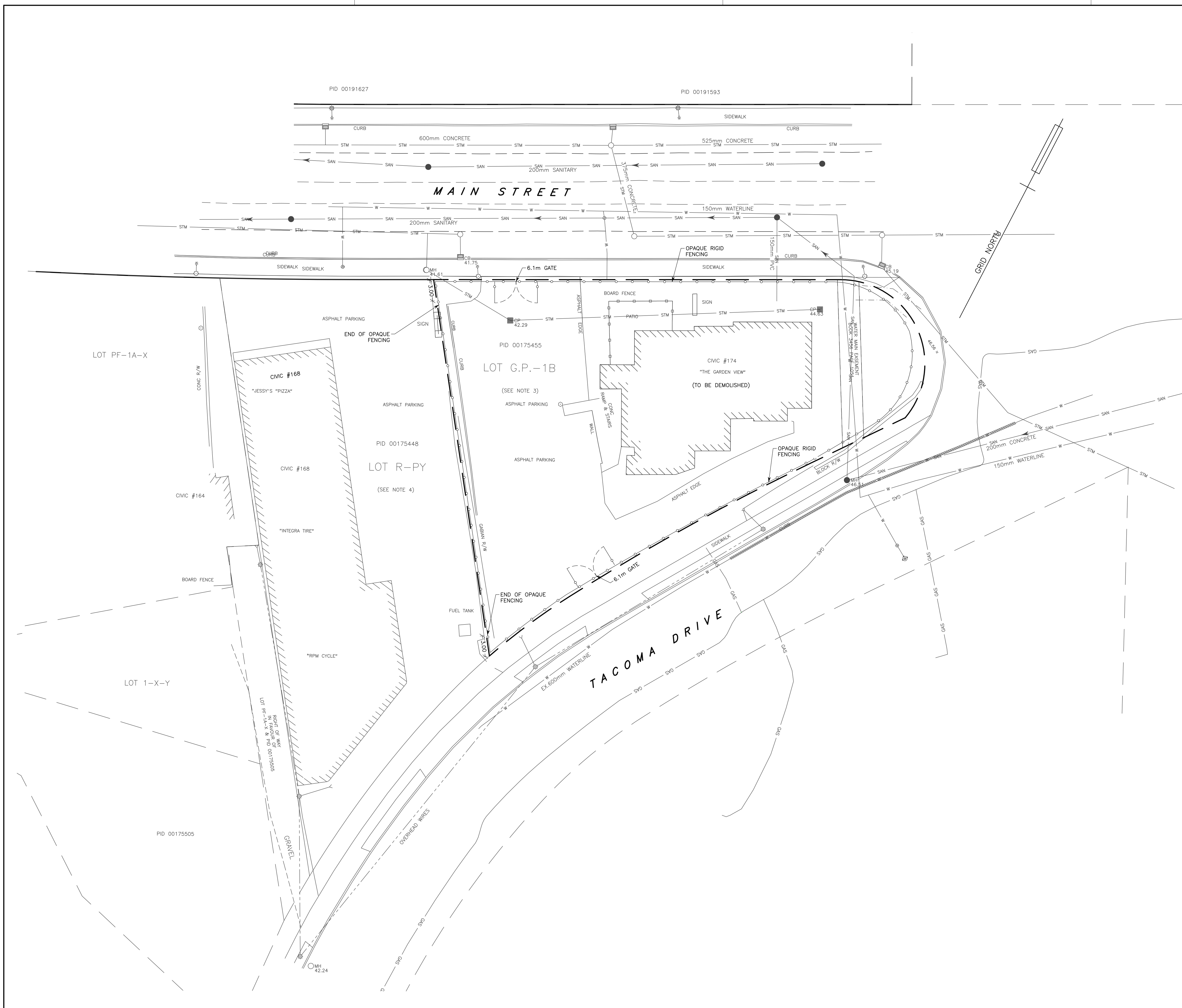
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# APPENDIX

## Appendix A – Encroachment Plan

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**LEGEND**

EXISTING	PROPOSED
25.0	25.0
CONTOUR LINE	CONTOUR LINE
CURB STOP/GATE/BUTTERFLY VALVE	CONCRETE THRUST BLOCK
FIRE HYDRANT	SIAMESE CONNECTION
CONCRETE THRUST BLOCK	CATCH BASIN/PIT
SIAMESE CONNECTION	CULVERT
CATCH BASIN/PIT	ROCK LINING/DAM
CULVERT	ROCK WALL/RETAINING WALL
ROCK LINING/DAM	POWER POLE & ANCHOR/LIGHT STANDARD
ROCK WALL/RETAINING WALL	TREE
POWER POLE & ANCHOR/LIGHT STANDARD	STREET SIGN/PARKING METER
TREE	ELEVATION/GRADE
STREET SIGN/PARKING METER	TEST PIT
ELEVATION/GRADE	DRAINAGE/SWALE FLOW DIRECTION
TEST PIT	WATER MAIN/SERVICE
DRAINAGE/SWALE FLOW DIRECTION	SANITARY MANHOLE & PIPE
WATER MAIN/SERVICE	STORM MANHOLE & PIPE
SANITARY MANHOLE & PIPE	COMBINED PIPE
STORM MANHOLE & PIPE	GAS LINE
COMBINED PIPE	100YR. FLOOD LIMIT
GAS LINE	GUARD RAIL
100YR. FLOOD LIMIT	UNDERGROUND CONDUIT
GUARD RAIL	OVERHEAD WIRES
UNDERGROUND CONDUIT	PROPERTY LINE/BOUNDARY
OVERHEAD WIRES	FENCE
PROPERTY LINE/BOUNDARY	BUILDING
FENCE	TOP OF SLOPE
BUILDING	TDE OF SLOPE
TOP OF SLOPE	TREELINE
TDE OF SLOPE	LIMITS OF DISTURBANCE
TREELINE	TACTILE PEDESTRIAN PLATES
LIMITS OF DISTURBANCE	PROJECT SAFETY SIGNAGE
TACTILE PEDESTRIAN PLATES	ORANGE SAWHORSE BARRICADE
PROJECT SAFETY SIGNAGE	
ORANGE SAWHORSE BARRICADE	

**NOTES**  
 1. THIS PLAN IS IN METRIC.

No.	YY/MM/DD	Revision	Description	Appr'd
0	20/08/10	ISSUED FOR REVIEW		

**SDMM**  
 Servant, Dunbrack, McKenzie & MacDonald Ltd.  
 NOVA SCOTIA LAND SURVEYORS & CONSULTING ENGINEERS

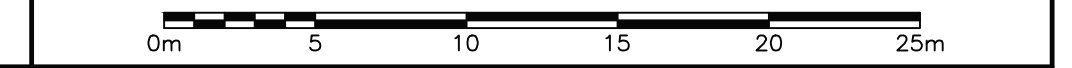
36 OLAND CRESCENT  
 BAYERS LAKE BUSINESS PARK  
 HALIFAX, NS B3S 1G8

PHONE: (902) 455-1537  
 FAX: (902) 455-9479  
 WEB: www.sdmm.ca

**PID 00175455**  
 174 MAIN STREET, LOT G.P.-1B  
 DARTMOUTH, NOVA SCOTIA

**ENCROACHMENT PLAN FOR DEMOLITION**

Date	August 10, 2020	Drawn	D. ANDERSON	Project No.	FILE NO. 1-7-123 (35307)
Scale	1:250	Engineer	G. MACLEAN	Plan No.	16-2278-0
Reference	--	Approved	G. MACLEAN	Drawing Name	R1
Surveyed	SDMM	Sheet			



## Appendix B – Traffic Control Plans (TCP)



---

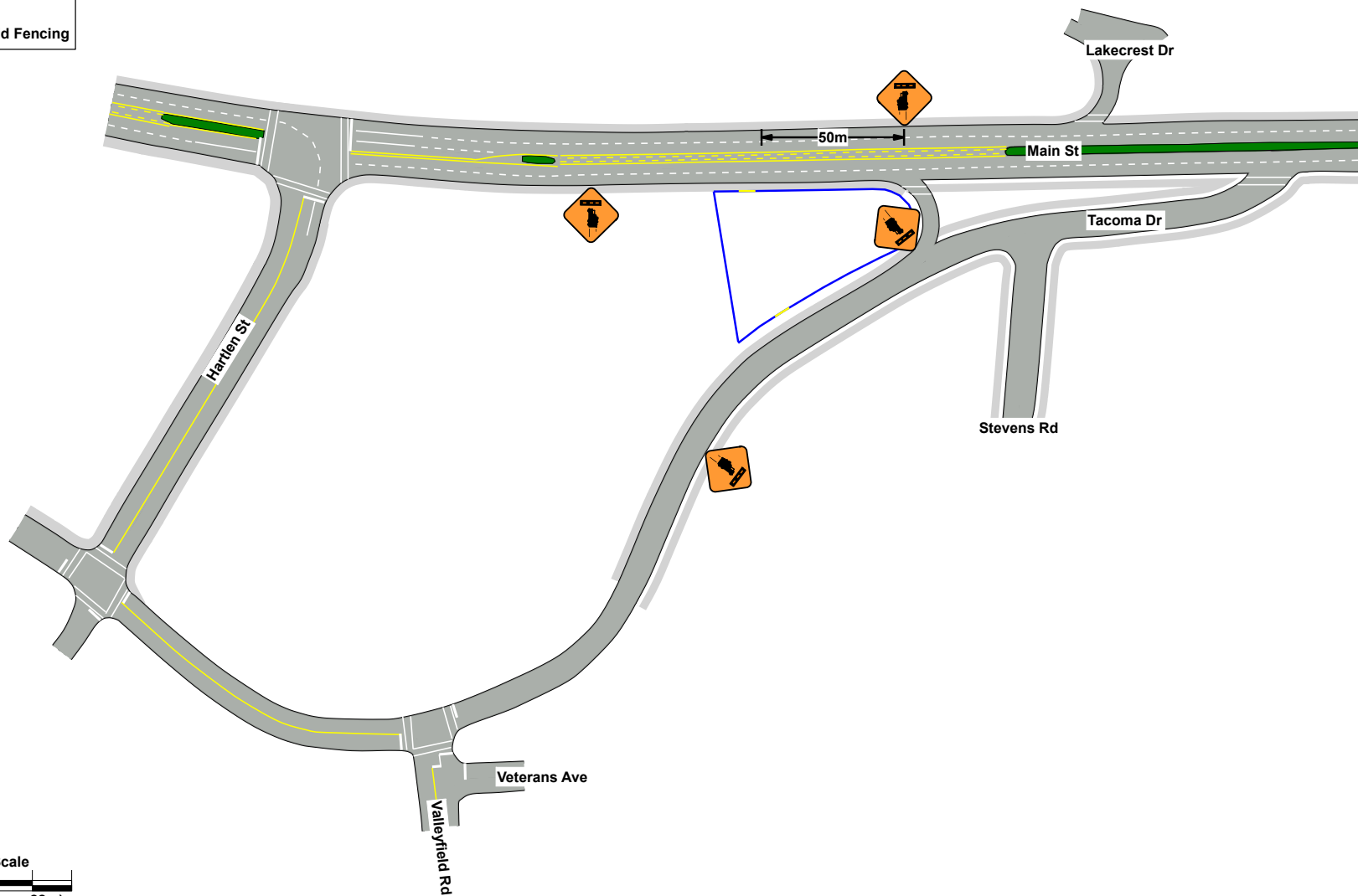
# Encroachment Signage Plan

Date: 2020/08/04 Author: Norman Bussmann, TWS, Frontline Traffic Services, 902-817-3364 Project: 174 Main St Demolition  
Contrator: SDMM Contact: Geoff MacLean, 902-789-6374

Comments:  
Scale as shown for Roadway only.  
Signs and devices not to scale  
Encroachment Signage plan.



Legend	
	Gate
	Opaque Rigid Fencing



Plan Scale  
1 : 2217 (1cm = 22m)

## Appendix C – Barrier Installation TCP

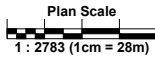
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# Barrier Installation and Removal Plan

Date: 2020/08/04 Author: Norman Bussmann, TWS, Frontline Traffic Services, 902-817-3364 Project: 174 Main St Demolition  
 Contrator: SDMM Contact: Geoff MacLean, 902-789-6374

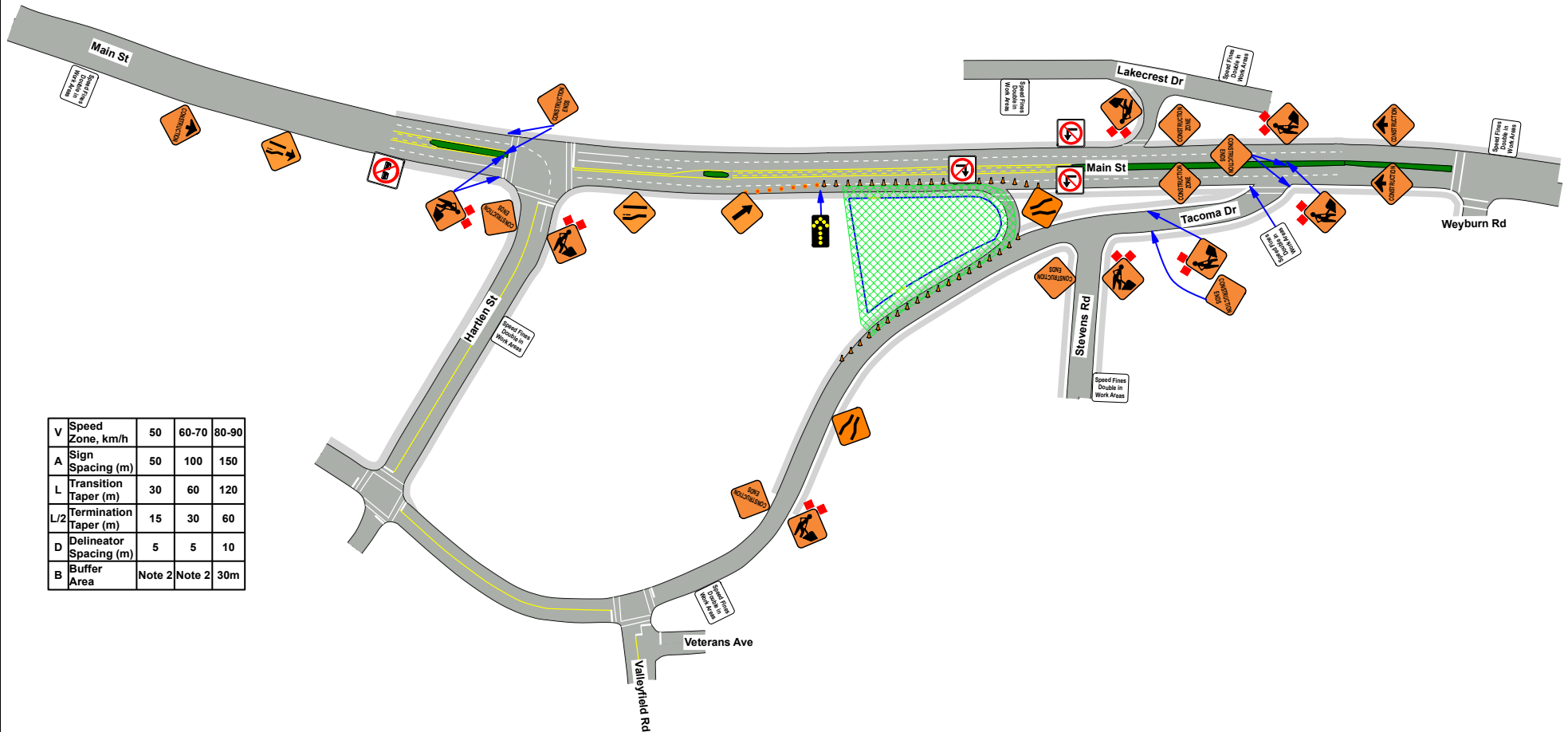
**Comments:**

Scale as shown for Roadway only.  
 Signs and devices not to scale  
 Barrier Installation and Removal Plan  
 Application Guides A63R and C22  
 Turning Ramp to be closed only when workers are present on that portion of the roadway  
 See Pedestrian Management Plan for sidewalk closure details



**Legend**

- Barrel
- Cone
- Gate
- Opaque Rigid Fencing
- Work Area



V	Speed Zone, km/h	50	60-70	80-90
A	Sign Spacing (m)	50	100	150
L	Transition Taper (m)	30	60	120
L/2	Termination Taper (m)	15	30	60
D	Delineator Spacing (m)	5	5	10
B	Buffer Area	Note 2	Note 2	30m

## Appendix D – Pedestrian Management Plan (PMP)

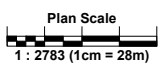
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# Pedestrian Management Plan



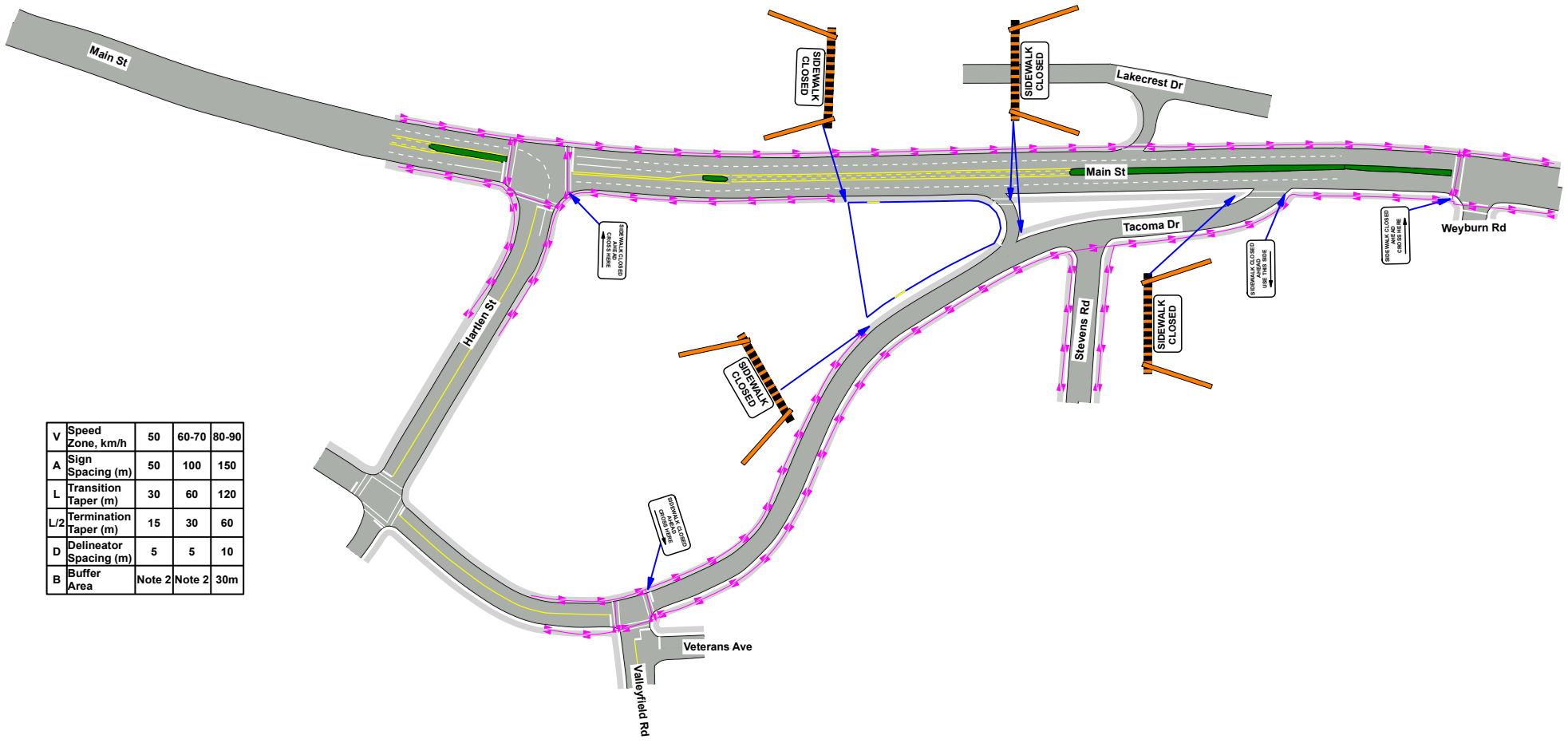
Date: 2020/08/04 Author: Norman Bussmann, TWS, Frontline Traffic Services, 902-817-3364 Project: 174 Main St Demolition  
 Contrator: SDMM Contact: Geoff MacLean, 902-789-6374

Comments:  
 Scale as shown for Roadway only.  
 Signs and devices not to scale  
 Pedestrian Management Plan  
 Use with Barrier Installation and Service Laterals Plans



**Legend**

- Gate
- Opaque Rigid Fencing
- ▲ Pedestrian Route



V	Speed Zone, km/h	50	60-70	80-90
A	Sign Spacing (m)	50	100	150
L	Transition Taper (m)	30	60	120
L/2	Termination Taper (m)	15	30	60
D	Delineator Spacing (m)	5	5	10
B	Buffer Area	Note 2	Note 2	30m

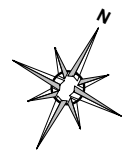
## Appendix E – Haul Route Plan

---



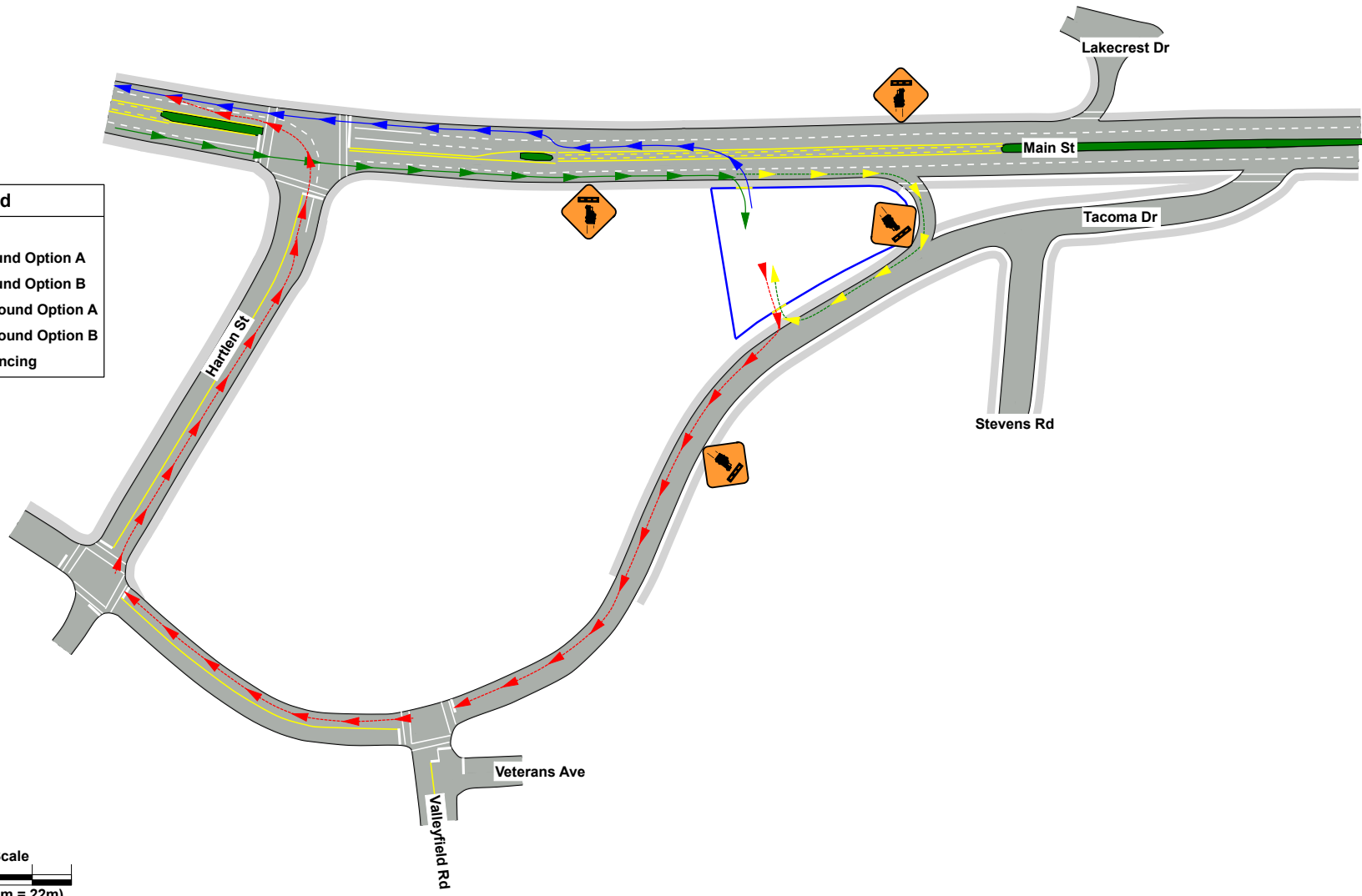
# Haul Route Plan

Author: Norman Bussmann, TWS, Frontline Traffic Services, 902-817-3364 Project: 174 Main St Demolition Contractor: SDMM  
Contact: Geoff MacLean, 902-789-6374  
Comments:  
Scale as shown for Roadway only.  
Signs and devices not to scale  
Haul Route Plan  
Main St is a Schedule B full time truck route  
Tacoma and Hartlen are not truck routes and should only be used as required



**Legend**

- Gate
- Haul Route Inbound Option A
- Haul Route Inbound Option B
- Haul Route Outbound Option A
- Haul Route Outbound Option B
- Opaque Rigid Fencing

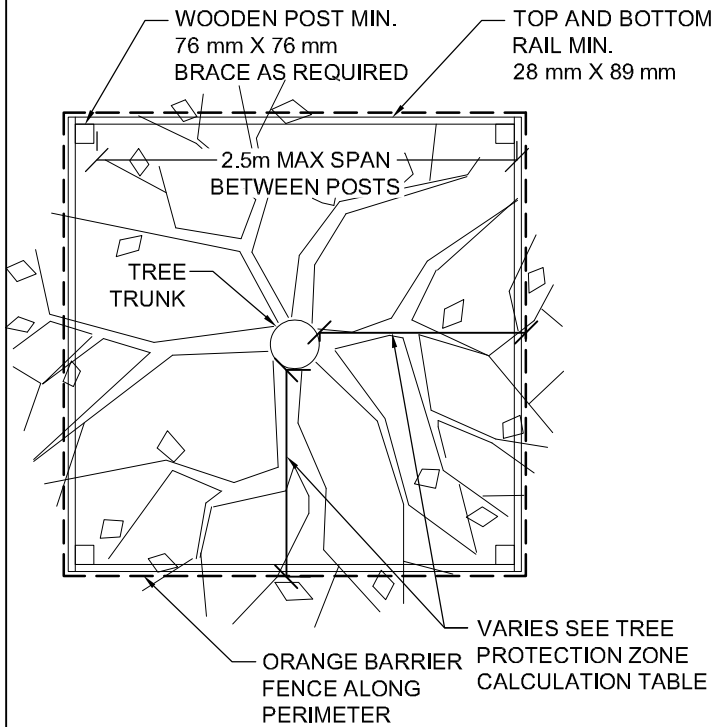


Plan Scale  
1 : 2217 (1cm = 22m)

## Appendix F – HRM Tree Detail

---

**PLAN VIEW**

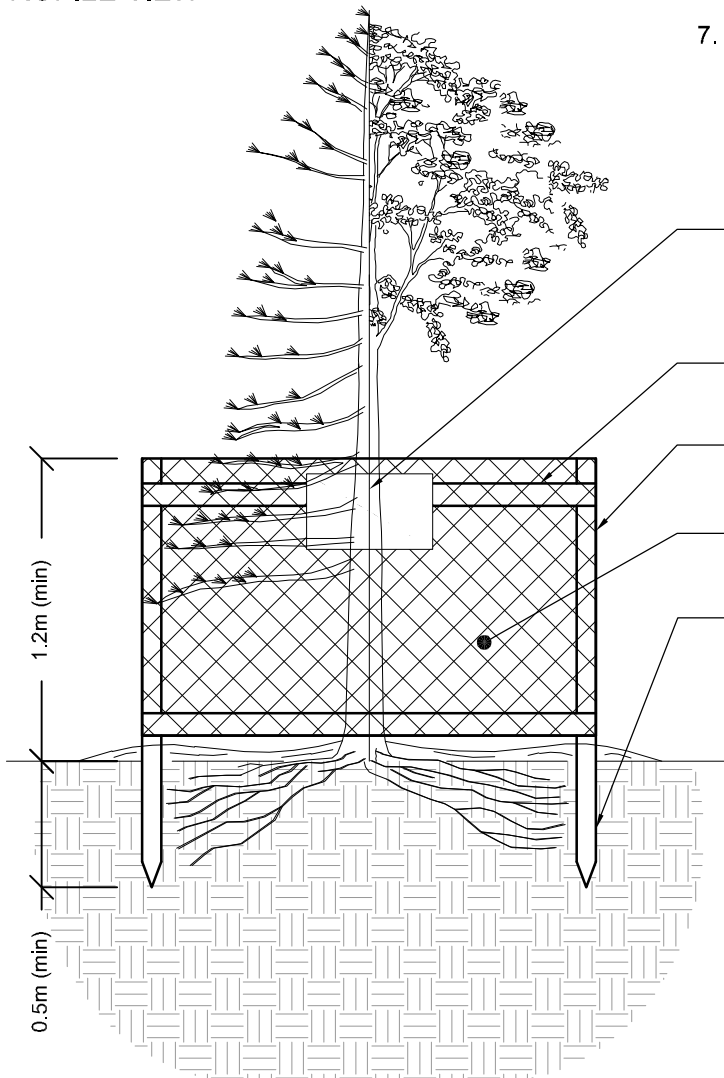


<b>TREE PROTECTION ZONE CALCULATION TABLE</b>	
TRUNK DIAMETER (DBH)	MINIMUM PROTECTION DISTANCE REQUIRED (MEASURE FROM THE OUTSIDE EDGE OF TREE TRUNK)
10 CM & UNDER	1.2 METERS
11 - 30 CM	2.0 METERS
31 - 40 CM	3.4 METERS
41 - 50 CM	4.6 METERS
51 - 60 CM	6.0 METERS
61 - 70 CM	7.0 METERS
71 - 80 CM	8.0 METERS
>80 CM	9.0 METERS

**NOTES:**

1. WOOD POST: (MIN. 76mm WIDTH) INSTALLED TO A DEPTH OF 500mm (UNDERGROUND LOCATES REQUIRED)
2. TOP AND BOTTOM RAIL: (MIN. 38 X 89mm CONSTRUCTION, MAX. SPAN 2.5m), CROSS BRACING AS REQUIRED.
3. HEIGHT OF THE FENCE: MIN.1.2 METERS
4. NO GROUND DISTURBANCE WITHIN 1.2 METER OF THE TREE TRUNK (I.E. POST INSTALLATION)
5. POSTS SET BACK FROM SIDEWALK AND CURB: MIN 300mm
6. FENCE MATERIAL: MINIMUM ORANGE BARRIER FENCE OR METAL CHAIN LINK FENCE
7. ATTACH A SIGN ON TWO SIDES OF THE TREE "PROTECTION ZONE DO NOT REMOVE FENCE DURING CONSTRUCTION"

**PROFILE VIEW**



**HALIFAX**

STANDARD DETAIL

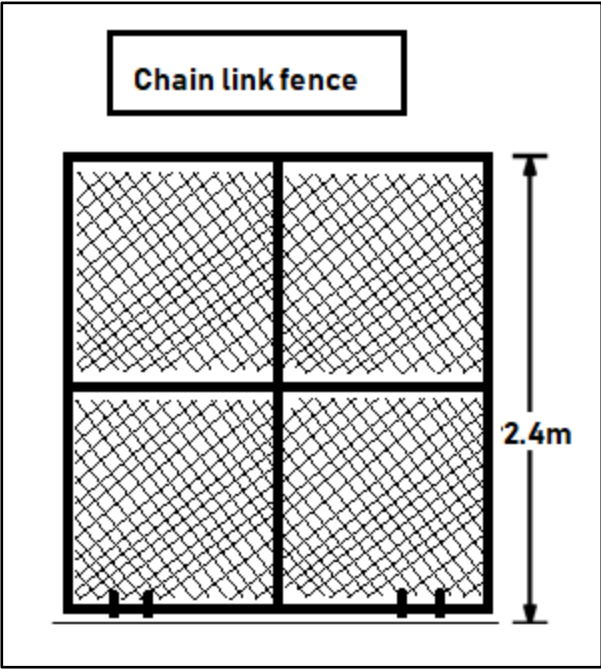
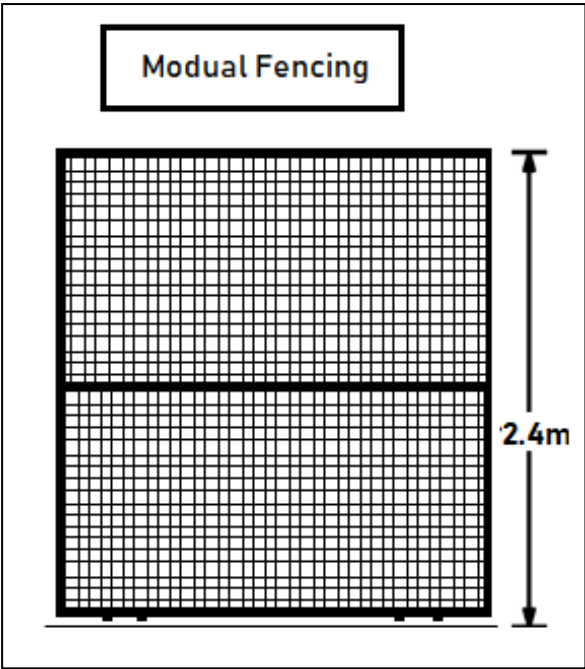
**TREE PROTECTION ZONE & BARRIER**

DATE: 2019	REFERENCE:	APPROVED
SCALE: NTS		FIG NO:

## Appendix G – Barrier, Fence & Gates Information

---

Sample Barrier & Fence Details

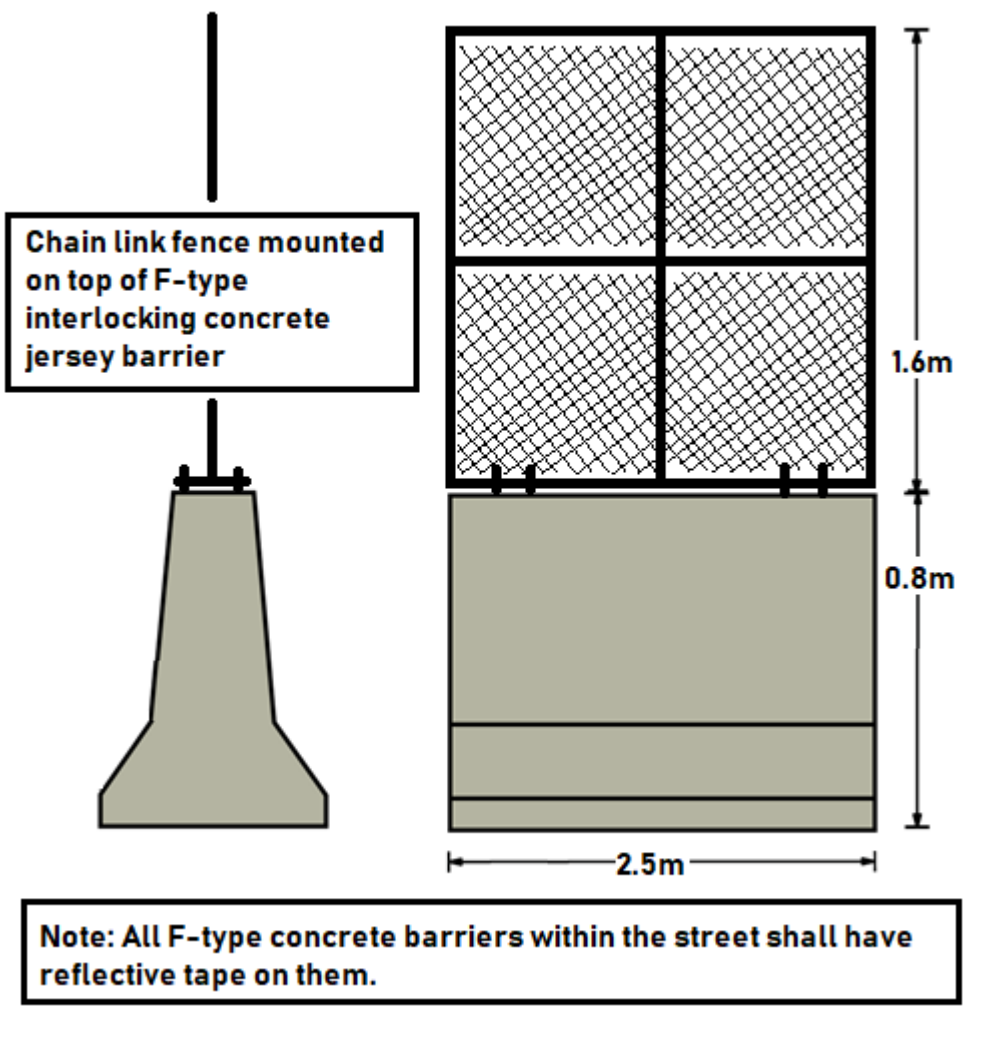


# F-shape Barrier

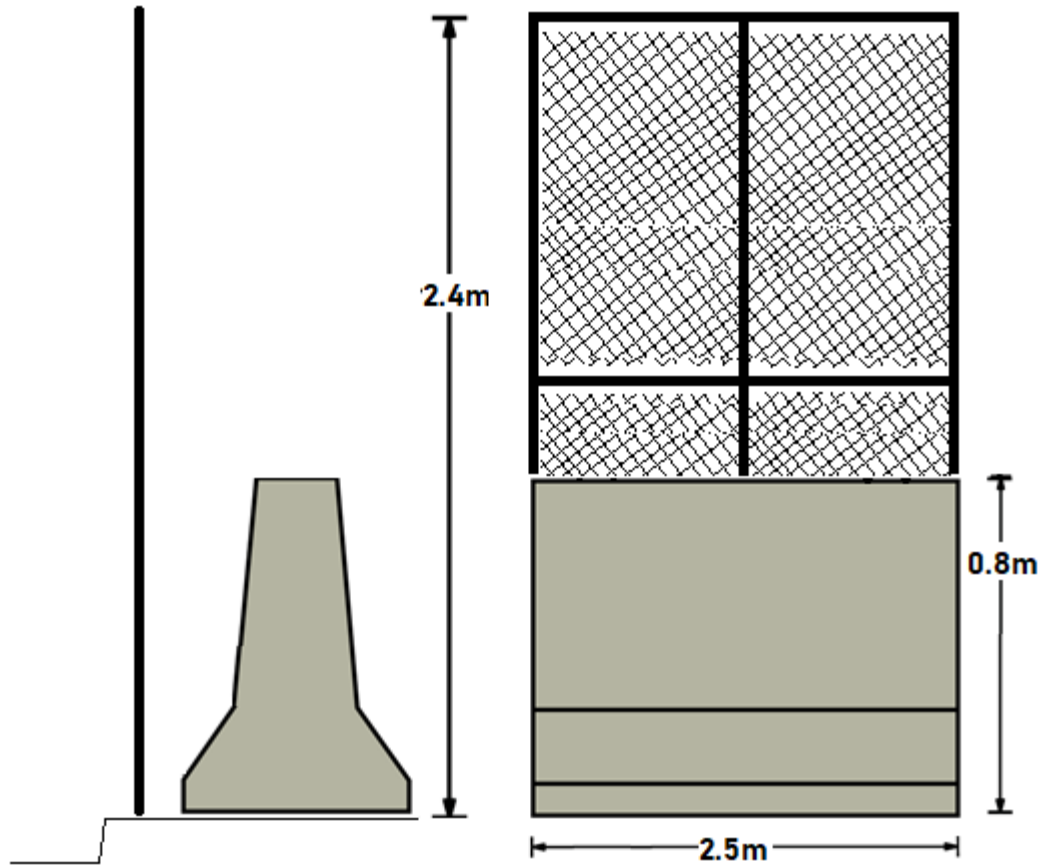
## Approved Barrier Designs

The only pre-approved portable anti-intrusion barrier in Nova Scotia is the Portland Cement Concrete F-shape Barrier. F-shape Barriers with designs approved before 2011.01.01 must be constructed and installed copying a design certified as meeting Test Level 3 of the NCHRP Report 350 (NCHRP 350), or if the design was approved after 2011.01.01, Test Level 3 standards of the American Association of State Highway and Transportation Officials (AASHTO) Manual for Assessing Safety Hardware (MASH).

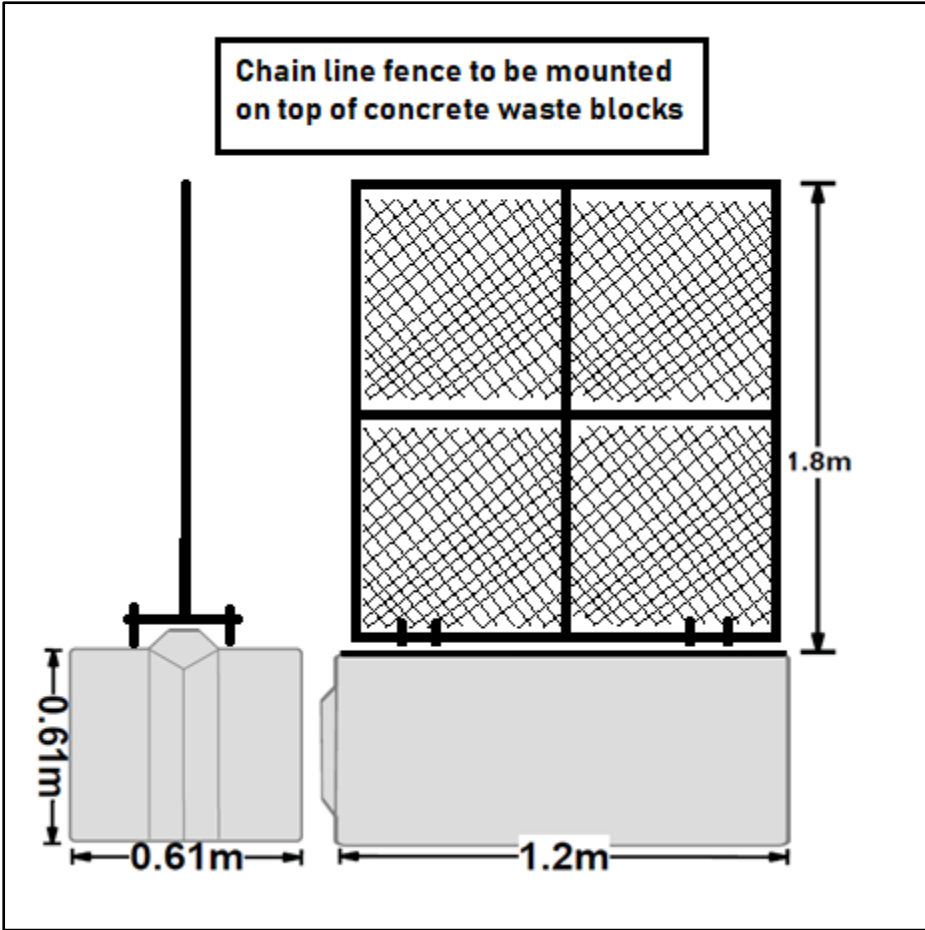
Dimensions are in mm



**Fence mounted to curb with interlocking F-type concrete jersey barriers set beside**

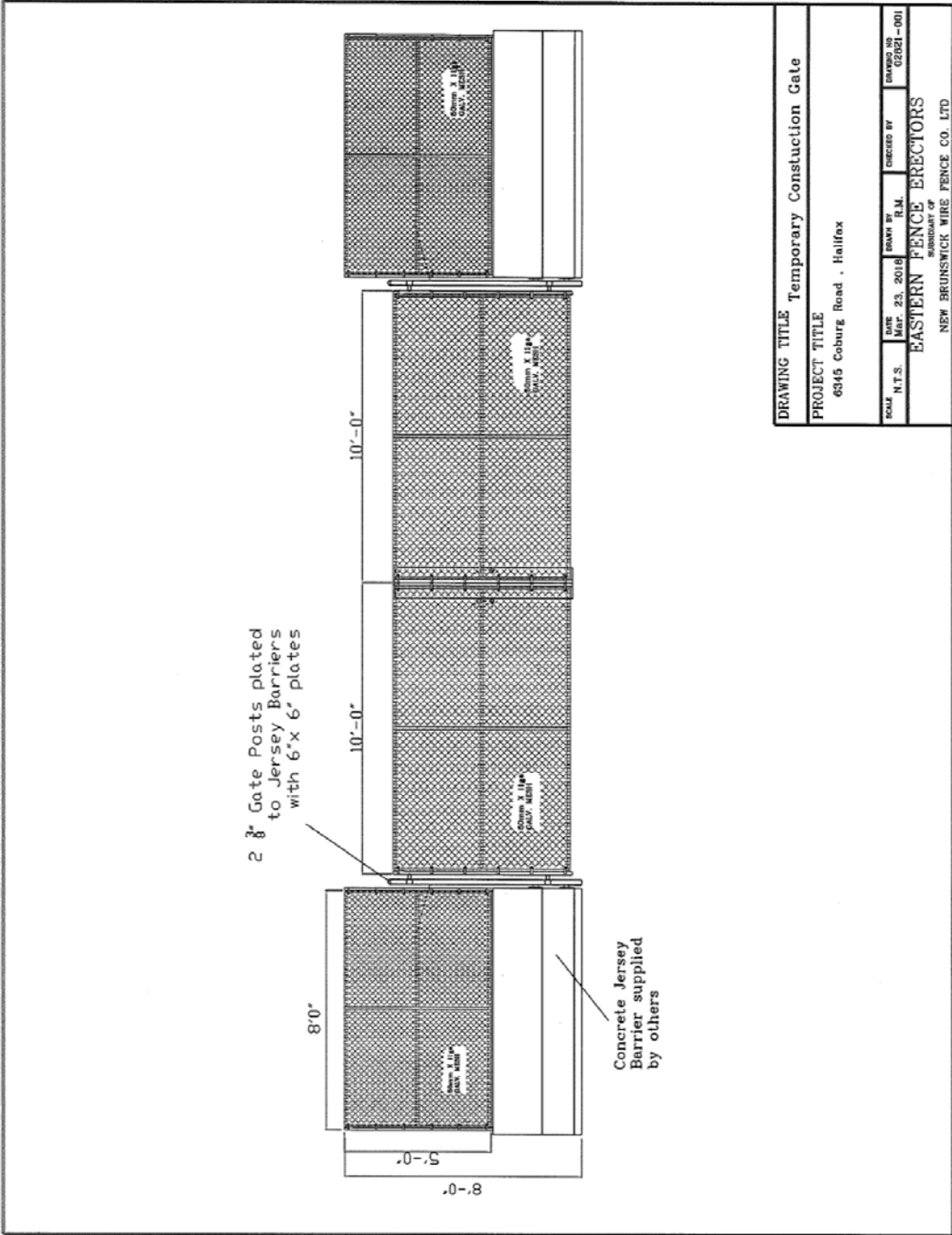


**Note: All F-type concrete barriers within the street shall have reflective tape on them.**



Sample Gate Detail





DRAWING TITLE			
Temporary Constuction Gate			
PROJECT TITLE			
6345 Coburg Road . Halifax			
SCALE	DATE	DRAWN BY	CHECKED BY
N.T.S.	Mar. 23, 2016	R.M.	
DRAWING NO.			
62621-001			
FENCE ERECTORS			
NEW BRUNSWICK WIRE FENCE CO. LTD			

## Appendix H – Hoarding Information

---

Opaque construction hoarding material shall covering and be adequately secured to the rigid fencing that outlines the encroachment area. This covering shall be continuous such that it prevents passersby or tourist from seeing through the fencing and gates to the active construction site.

UltraMesh® Eclipse® if a 7.96 oz. which is a polyester, black-backed mesh that is used where complete opacity is required.

UltraMesh Eclipse is UV printable for project renderings and is typically used for building and fence graphic wraps. The product is available in widths of 126" and 196".

Product example is shown below with the technical data sheet on the following page.



UltraMesh Eclipse is a 7.96 oz. polyester, black-backed mesh. The material is ideal for applications where complete opacity is required. UltraMesh Eclipse is UV printable and may be used for building wraps and fence graphics. Available in widths of 126 and 196 .

### Material Details

CHARACTERISTICS	TEST METHOD	METRIC	ENGLISH
Base Fabric	100% PES	1000D×1000D	
Construction			12×12
Total Weight	DIN53352 BS3424 Method5A	270 +/- 20 gsm/m <sup>2</sup>	7.96 oz/yd <sup>2</sup>
Width		Up to 500cm	
Tensile Strength	DIN53352 BS3424	Warp 1250 n/5cm Weft 1100 n/5cm	142.75 x 130.19 lb/in
Tear Strength	DIN53356 BS3424	Warp 235 N Weft 225 N	52.8 x 50.5 lbf
Air Permeability	GB/T 2410-2008		2649 mm/s
Light Transmission	GB/T 5453-1997		37%
Temperature Resistance	DIN53357 BS3425 Method 10		-20°C /70°C

### Applications

	Back-lit	Banner	Billboard	Block-out	Building Wrap	Fence Graphics	Truckside
Applications		■		■	■	■	

### Ink Printability

Solvent	Eco Solvent	UV	Latex	Screen Printing	Dye Transfer	Dye Direct
		■				

### Available Sizes

Metric (m)	English (inches)
3.20, 5.00	126 , 196

The information on physical and chemical characteristics is based upon tests believed to be reliable. The values are intended only as a source of information. A legally binding guarantee of specific properties is not to be inferred from our specifications. They are given without guaranty and do not constitute a warranty. A weight variance of +1/-2 is acceptable. The purchaser should independently determine, prior to use, the suitability of this material for his/her specific purpose. (Data represents averages and is not intended for use as a specification.)

## Appendix I – Project Information Board

---

**PROPOSED DEMOLITION**

174 Main Street

**August 1, 2020 – October 30, 2020**

**Owner:**

Hage Investments Ltd.  
1040 Bedford Highway,  
Bedford, NS, B4A 1B4

**24 Hour Emergency Contact:**  
**Jamil Hage – (902) 221-6121**

**Contractor:**

DJ Excavation  
7295 Highway 7  
Musquodoboit Harbour, NS, B0J 2L0

**Contact:**  
DJ Day – (902) 471-6987

**Traffic Control:**

Frontline Traffic Services  
6 Belmont Avenue, P.O. Box 89,  
Eastern Passage, NS, B3G 1M7

**Contact:**  
Phil Pruneau – (902) 818-5548

**Rodent Control Company:**

Rentokil Pest Control  
51 Duke Street, Bedford, NS, B4A 2Z2

**Contact:**  
902-789-7368

## Appendix J – Project Safety Signage

---

**NO  
TRESPASSING**

 **WARNING**

**CONSTRUCTION SITE**


To reduce risk of injury,

- Hard Hat
- Safety Shoes

**MUST** be worn on this site.



**RESTRICTED**  
**— AREA —**

**CONSTRUCTION**  
**WORK IN**  
**PROGRESS**

## Appendix K – Sample Traffic Notification Letter

---

**PROPOSED BUILDING DEMOLITION  
174 Main Street**

**DRAFT NOTIFICATION LETTER**

**Jamil Hage**

Hage Investments Ltd

1040 Bedford Highway

Bedford, NS

B4A 1B4

Phone: (902) 221-6121

**Date**

**NOTIFICATION OF TRAFFIC DISRUPTION: MAIN STREET, DARTMOUTH, NOVA SCOTIA**

This is to inform you that the to facilitate operations in association with the \*\*\*\* Main Street demolition work, traffic disruptions will occur on or about **DATE** with an anticipated duration of approximately **TIME**. The street will be **reduced(?)** to one lane of vehicular traffic during this time.

Should you have any questions or concerns please feel free to contact the below:

**CONTACT INFORMATION**

General Contractor:

**DJ Excavation**

7295 Highway 7

Musquodoboit Harbour, NS

B0J 2L0

**Phone: (902) 471-6987**

Should any questions arise, please feel free to contact the undersigned.

Yours Truly,

DJ Day

**DJ Excavation**

## Appendix L – Vehicular and Pedestrian Hazard Assessment

---

Project Name:

Date:

Location:

## VEHICULAR &amp; PEDESTRIAN HAZARD ASSESSMENT

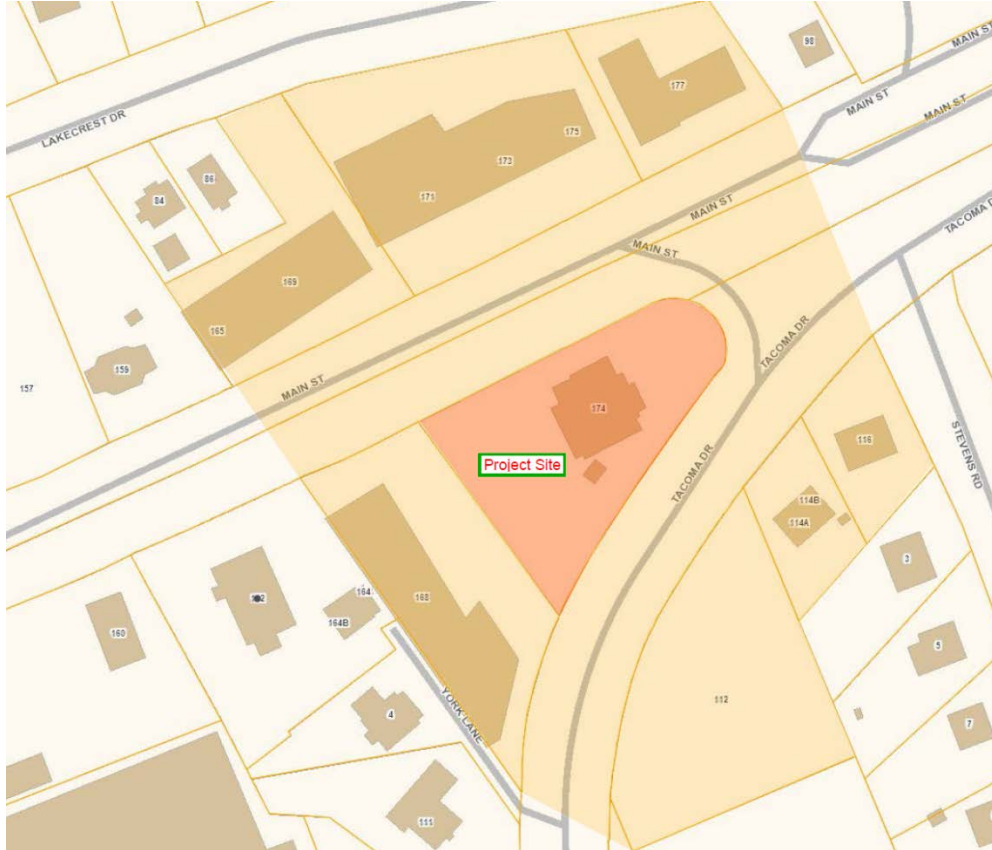
No.	Hazard:	Vehicular Impacts:	Mitigation Methods:	Pedestrian Impacts:	Mitigation Methods:
1	Building Demolition	Debris may fall off building, damaging vehicles.	Spotters to be present to ensure vehicles temporarily do not park adjacent to site during front wall tear down.	Debris may fall off building, injuring pedestrians.	Temporarily close sidewalks adjacent to site, moving pedestrians to opposite side of street.
2	Construction Waste	Vehicles may strike or be struck by construction waste.	The contractor shall keep the project site and surrounding areas clean and free of construction debris.	Pedestrians may strike or be struck by construction waste.	The contractor shall keep the project site and surrounding areas clean and free of construction debris.
3	Vehicular & Pedestrian Activities	Drivers and pedestrians may become confused or impatient with construction activities. Pedestrians may walk in unmarked crosswalks or in vehicular travel areas. Drivers may fail to obey traffic signage.	Vehicular and pedestrian signage will be posted prominently around the project site to facilitate pedestrian movement. Notification will be sent prior to all traffic interruptions.	Drivers and pedestrians may become confused or impatient with construction activities. Pedestrians may walk in unmarked crosswalks or in vehicular travel areas. Drivers may fail to obey traffic signage.	Vehicular and pedestrian signage will be posted prominently around the project site to facilitate pedestrian movement. Notification will be sent prior to all traffic interruptions.
4	Heavy Machinery Operation	Heavy machinery or vehicles may break down or overturn, damaging other vehicles.	The contractor shall maintain safe distances between vehicles and heavy machinery on-site. Rigid fencing will be installed to separate construction vehicles from public traffic.	Heavy machinery or vehicles may break down or overturn, injuring pedestrians.	The contractor shall maintain safe distances between pedestrians, vehicles, and heavy machinery. Rigid fencing will be installed to separate construction vehicles from pedestrians.
		Heavy machinery or vehicles may overturn due to uneven terrain, damaging other vehicles.	The contractor shall maintain safe distances between vehicles and heavy machinery on-site and ensure travel routes are kept flat.	Heavy machinery or vehicles may overturn due to uneven terrain, injuring pedestrians. Pedestrians may walk on uneven terrain causing them to twist their ankles or fall.	The contractor shall maintain safe distances between pedestrians, vehicles, and heavy machinery and ensure travel routes are kept flat.
5	Construction Signage	Construction signage may strike vehicular traffic.	Construction signage will be securely fixed to existing poles, temporary concrete sign bases, or rigid fences.	Pedestrians may walk into construction signage, including traffic signage, pedestrian management plan renderings, wayfinding signs, etc. may.	Signage will be angled in line with pedestrian routes and/or be placed at heights such that they do not pose a risk to pedestrians.
				Construction signage may strike pedestrians.	Construction signage will be securely fixed to existing poles, temporary concrete sign bases, or rigid fences.
6	Reinstatement of Public Infrastructure & Service Installation	Heavy equipment and hot concrete used during public infrastructure reinstatement and service installation may cause damage to vehicles.	The contractor shall maintain safe distances between vehicles and heavy machinery on-site.	Heavy equipment and hot concrete used during public infrastructure reinstatement may injure pedestrians.	The contractor shall maintain safe distances between pedestrians, vehicles, and heavy machinery.

## Appendix M – Community Consultation Records

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# COMMUNITY CONSULTATION MAP OVERVIEW

## Project



# Notification Letter

Date: \*\*\*\*\*

Hage Investments Ltd – Building Demolition Information Meeting

Dear Neighbour,

As you may be aware, we are planning an apartment building construction project on Main Street. In preparation for this we are going to demolish our current buildings located at 174 Main Street.

We have scheduled a meeting for those interested in receiving more information about our construction plans, practices, schedule and to go over any questions you may have regarding construction of our new project.

This meeting is scheduled for \_\_\_\_\_ on \_\_\_\_\_ 2020 in the meeting room of \_\_\_\_\_ located at \_\_\_\_\_.

Please let us know by email if you plan to attend so we can make sure to have enough chairs.

Thank you.

Jamil Hage



## Appendix N – Rodent Control Plan

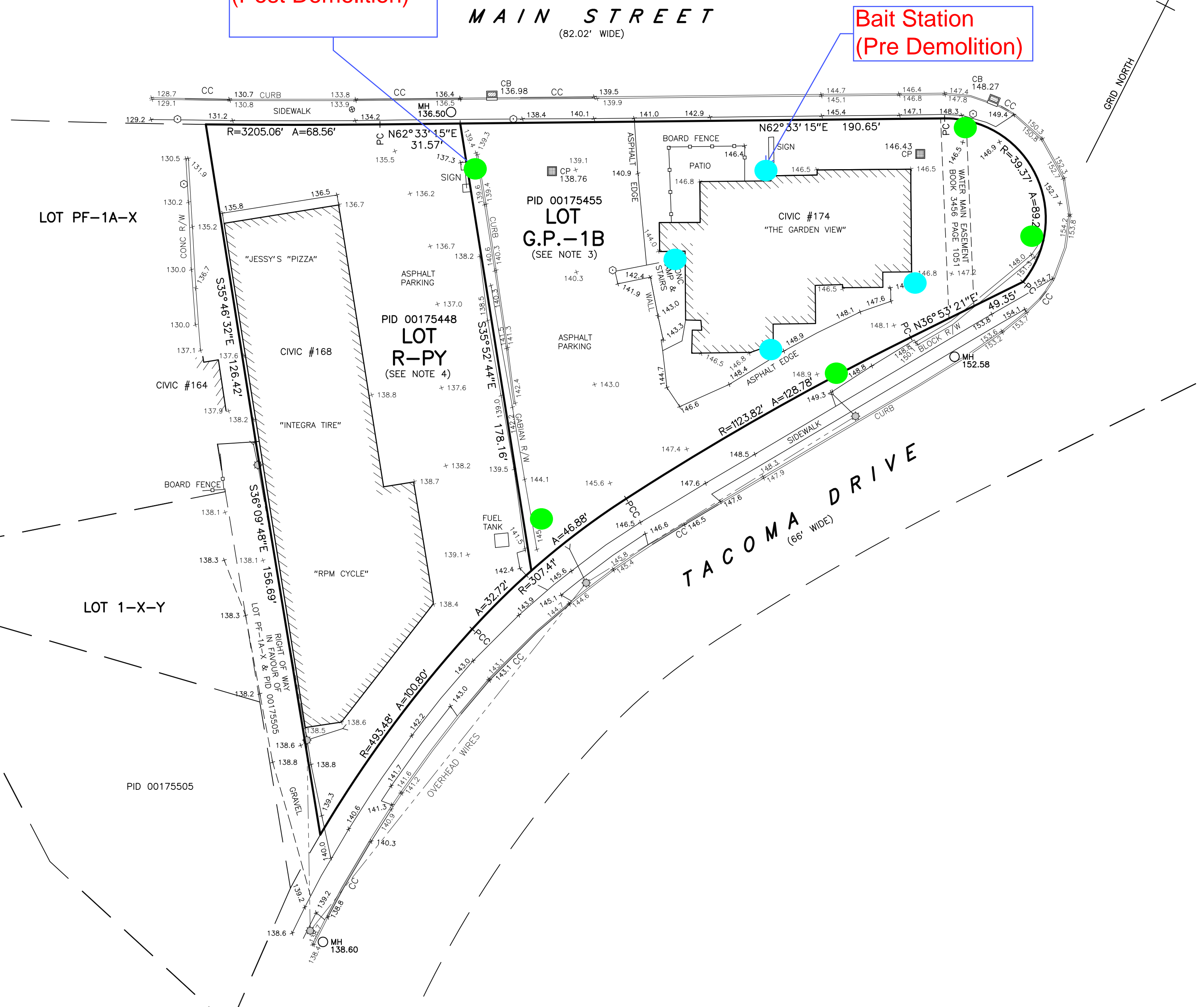
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LEGEND

- PERIMETER OF LANDS SURVEYED
- ⊙ LIGHT STANDARD
- MH MANHOLE
- ▣ CATCHBASIN
- ⊗ WATER VALVE
- ⊕ UTILITY POLE & ANCHOR
- HCLRO HALIFAX COUNTY LAND REGISTRATION OFFICE
- PID PARCEL IDENTIFICATION NUMBER
- PC POINT OF CURVATURE
- PCC POINT OF COMPOUND CURVATURE
- A, R ARC LENGTH, RADIUS
- CONC CONCRETE
- R/W RETAINING WALL
- CC CURB CUT

Bait Station  
(Post Demolition)

Bait Station  
(Pre Demolition)



Bait Station Legend

- Pre Demo ●
- Post Demo ●

Rodent Control Plan

Prepared by  
Rentokil Atlantic

Rob Colwell

902-789-7368

51 Duke Street, Bedford, NS

**Protecta®**  
**EVO®** **AMBUSH™**  
 PATENT PENDING



**THE MOST ADVANCED LOW-PROFILE BAIT STATION**

**PRODUCT FEATURES:**

- ▶ Single locking mechanism for quick servicing
- ▶ Removable tray for easy cleaning
- ▶ Locking bait rods won't fall out during cleaning
- ▶ Dog & child tamper-resistant
- ▶ Can hold:
  - 4 - 1 oz. bait BLOX on 4 vertical rods
  - or -
  - T-Rex™ rat trap or Mini-Rex™ mouse trap
- ▶ Compatible with Sidekick® Load-N-Lock™ system



PRODUCT	CODE	DIMENSIONS (in)	CASE QTY
Protecta Evo Ambush	EA2000	8 1/2 x 10 1/4 x 4 1/4	6 Stations



**More Than Meets The Eye**

Madison, Wisconsin 53704 USA | Ph: (608) 241-0202 | Fax: (608) 241-9631

[www.belllabs.com](http://www.belllabs.com)

ALL-WEATHER  
**BLOX™**



**CONTRAC®**  
**ALL-WEATHER BLOX™**

**KILLS RATS, MICE & MEADOW VOLES\***

***Kills Warfarin Resistant Norway Rats***

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See back panels for First Aid and additional precautionary statements.

ACTIVE INGREDIENT:

Bromadiolone (CAS #28772-56-7): . . . . . 0.005%

OTHER INGREDIENTS†: . . . . . 99.995%

†Contains Denatonium Benzoate      TOTAL 100.000%

\*Not permitted for use against the following species in California: Cotton rat, Eastern harvest mouse, Golden mouse, Polynesian rat, Meadow vole, White-throated woodrat, Southern plains woodrat, and Mexican woodrat.

NET WT:  
**18 lbs (8.2 kg)**

#### FIRST AID

##### HAVE LABEL WITH YOU WHEN OBTAINING TREATMENT ADVICE

###### IF SWALLOWED:

- Call a poison control center, doctor, or 1-877-854-2494, or 1-800-858-7378\*\* immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor.

###### IF ON SKIN OR CLOTHING:

- Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes.
- Call a poison control center or doctor for treatment advice.

###### IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15–20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center, doctor, or 1-877-854-2494 immediately for treatment advice.

\*\* Also call this number for information on health concerns and pesticide incidents.

#### NOTE TO PHYSICIAN

If swallowed or absorbed through the skin, this material may reduce the clotting ability of the blood and cause bleeding. If ingested, administer Vitamin K<sub>1</sub> intramuscularly or orally. Repeat as necessary based on monitoring of prothrombin times.

#### TREATMENT FOR PET POISONING

If animal eats bait, call veterinarian at once.

#### NOTE TO VETERINARIAN

**Anticoagulant Bromadiolone:** For animals ingesting bait and/or showing poisoning signs (bleeding or elevated prothrombin times), give Vitamin K<sub>1</sub>. If needed, check prothrombin times every 3 days until values return to normal (up to 30 days). In severe cases, blood transfusions may be needed.

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**READ THIS LABEL:** Read this entire label and follow all use directions and use precautions. Use only for sites, pests, and application methods described on this label.

**IMPORTANT:** Do not expose children, pets, or nontarget animals to rodenticides. To help to prevent exposure:

1. Store unused product out of reach of children and pets.
2. Apply bait in locations out of reach of children, pets, domestic animals and nontarget wildlife, or in tamper-resistant bait stations. These stations must be resistant to destruction by dogs and by children under six years of age, and must be used in a manner that prevents such children from reaching into bait compartments and obtaining bait. If bait can be shaken from bait stations when they are lifted, units must be secured or otherwise immobilized. Stronger bait stations are needed in areas open to hoofed livestock, raccoons, bears, or other potentially destructive animals, or in areas prone to vandalism.
3. Dispose of product container and unused, spoiled, or unconsumed bait as specified on this label.

**Bait stations are mandatory for outdoor, above-ground use. Tamper-resistant bait stations must be used wherever children, pets, non-target mammals, or birds may have access to the bait placement location.**

**USE RESTRICTIONS:** This product may only be used to control the following rodent pests in and around man-made structures: House mouse (*Mus musculus*), Norway rat (*Rattus norvegicus*), Roof rat (*Rattus rattus*), Cotton mouse (*Peromyscus gossypinus*), Cotton rat\* (*Sigmodon hispidus*), Deer mouse (*Peromyscus maniculatus*), Eastern harvest mouse\* (*Reithrodontomys humuli*), Golden mouse\* (*Ochrotomys nuttalli*), Polynesian rat\* (*Rattus exulans*), Meadow vole\* (*Microtus pennsylvanicus*), White-footed mouse (*Peromyscus leucopus*), White-throated woodrat\* (*Neotoma albigula*), Southern plains woodrat\* (*Neotoma micropus*), and Mexican woodrat\* (*Neotoma mexicana*). This product must be used in and within 100 feet of man-made structures constructed in a manner so as to be vulnerable to commensal rodent invasions and/or to harboring or attracting rodent infestations. Examples of such structures include homes and other permanent or temporary residences, food processing facilities, industrial and commercial buildings, trash receptacles, agricultural and public buildings, transport vehicles (ships, trains, aircraft), docks and port or terminal buildings and related structures around and associated with these sites. Fence and perimeter baiting, beyond 100 feet from a structure as defined above, is prohibited. This product must not be applied directly to food or feed crops.

587CB-9

# CONTRAC<sup>®</sup>

## ALL-WEATHER BLOX<sup>™</sup>

### KILLS RATS, MICE, AND MEADOW VOLES\*

#### Kills Warfarin Resistant Norway Rats

Norway rats, roof rats, and house mice may consume a lethal dose in one night's feeding with first dead rodents appearing four or five days after feeding begins.

#### ACTIVE INGREDIENT:

Bromadiolone (CAS #28772-56-7): . . . . . 0.005%

OTHER INGREDIENTS: . . . . . 99.995%

†Contains Denatonium Benzoate TOTAL 100.000%

## KEEP OUT OF REACH OF CHILDREN CAUTION

See side panels for First Aid and additional precautionary statements.

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store only in original container in a cool, dry place inaccessible to children and pets. Keep containers closed and away from other chemicals.

**Pesticide Disposal:** Wastes resulting from the use of this product may be placed in trash or delivered to an approved waste disposal facility.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container. [Plastic:] Offer for recycling or reconditioning; or puncture and dispose of in a sanitary landfill; or by incineration. In most states, burning is not allowed.

**WARRANTY:** To the extent consistent with applicable law, seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

### NET WEIGHT: 18 lbs (8.2 kg)

EPA REG. NO. 12455-79

EPA EST. NO. 12455-WI-1

Manufactured by:

**Bell**  
LABORATORIES, INC.  
3699 Kinsman Blvd.  
Madison, WI 53704 U.S.A.  
www.bellabs.com  
**MADE IN USA**

#### DIRECTIONS FOR USE (Continued from other panel)

Burrow baiting with Contrac All-Weather Blox is prohibited.

Do not place near or inside ventilation duct openings. Do not contaminate water, food, feedstuffs, food or feed handling equipment, or milk or meat handling equipment or surfaces that come into direct contact with food. When used in USDA inspected facilities, this product must be applied in tamper-resistant bait stations. Do not broadcast bait. Do not use this product in sewers.

Do not sell this product in individual containers holding less than 16 pounds of bait.

**SELECTION OF TREATMENT AREAS:** Determine areas where rats, mice, or meadow voles\* will most likely find and consume the bait. Generally, these areas are along walls, by gnawed openings, in corners and concealed places, between floors and walls, or in locations where rats, mice, or meadow voles\*, or their signs have been seen. Protect bait from rain and snow. Remove as much alternative food as possible.

#### APPLICATION DIRECTIONS:

**RATS:** Place 3 to 16 bait blocks (at intervals of 15 to 30 feet) per placement in infested areas. Maintain an uninterrupted supply of fresh bait for at least 10 days or until signs of rat activity cease.

**MICE AND MEADOW VOLES\*:** Place 1 block per placement. Space placements at 8- to 12-foot intervals in infested areas. Two blocks may be needed at points of very high activity. Maintain an uninterrupted supply of fresh bait for at least 15 days or until signs of mouse or meadow vole\* activity cease.

**FOLLOW-UP:** Replace contaminated or spoiled bait immediately. Wearing gloves, collect and dispose of all dead, exposed animals and leftover bait. To prevent reinfestation, limit sources of rodent food, water, and harborage as much as possible. If reinfestation does occur, repeat treatment. Where a continuous source of infestation is present, establish permanent bait stations and replenish as needed.

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed or absorbed through the skin. Keep away from children, domestic animals and pets. Do not get in eyes, on skin or on clothing.

All handlers (including applicators) must wear: shoes plus socks, and waterproof gloves. Any person who retrieves carcasses or unused bait following application of this product must wear gloves.

#### User Safety Requirements

Follow manufacturer's instruction for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash hands thoroughly after applying bait and before eating, drinking, chewing gum, using tobacco or using the toilet and change into clean clothing.

#### ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish, birds and other wildlife. Dogs and predatory and scavenging mammals and birds might be poisoned if they feed upon animals that have eaten this bait. Do not apply this product directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff also may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash water or rinsate.

\*Not permitted for use against the following species in California: Cotton rat, Eastern harvest mouse, Golden mouse, Polynesian rat, Meadow vole, White-throated woodrat, Southern plains woodrat, and Mexican woodrat.

Product Code: CB4051

090415/09-15





# DETEX<sup>®</sup> BLOX with LUMITRACK

## SAFETY DATA SHEET

ACCORDING TO REGULATION: OSHA  
Hazard Communication Standard 29 CFR 1910.1200

DATE OF ISSUE:  
January 2016

PREPARED BY:  
CAR

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** DETEX<sup>®</sup> BLOX with LUMITRACK  
**EPA Registration Number:** NA  
**Relevant identified uses of the substance or mixture and uses advised against**  
**Relevant identified uses:** Activity Monitoring - Ready to use  
**Uses advised against:** Use only for the purpose described above

#### MANUFACTURER/SUPPLIER:

Bell Laboratories, Inc.  
3699 Kinsman Blvd.  
Madison, WI 53704, USA  
Email: sds@belllabs.com  
Phone: 608-241-0202  
Medical or Vet Emergency: 877-854-2494 or 952-852-4636  
Spill or Transportation Emergency: 800-424-9300 (CHEMTREC)

### SECTION 2. HAZARDS IDENTIFICATION

**Classification according to Regulation OSHA 1910.1200(d):** Not classified  
**Signal Word:** None  
See Section 15 for information on FIFRA applicable safety, health, and environmental classifications.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	% By weight
<b>Inert and Non-Hazardous Ingredients</b> (Unlisted components are non-hazardous)	Proprietary	100.00%

### SECTION 4. FIRST AID MEASURES

**Description of first aid measures**  
**Ingestion:** Non-Toxic  
**Inhalation:** Not applicable.  
**Eye contact:** Non-Toxic  
**Skin contact:** Non-Toxic  
**Most important symptoms and effects, both acute and delayed**  
Non-Toxic  
**Advice to physician:** Non-Toxic  
**Advice to Veterinarian:** Non-Toxic

### SECTION 5. FIRE-FIGHTING MEASURES

**Extinguishing media**  
Suitable Extinguishing Media: water, foam or inert gas.  
Unsuitable Extinguishing Media: None known.  
**Special hazards arising from the mixture:** High temperature decomposition or burning in air can result in the formation of toxic gases, which may include carbon monoxide.  
**Advice for firefighters:** Wear protective clothing and self-contained breathing apparatus.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** None. Non-Toxic  
**Environmental precautions:** None. Non-Toxic  
**Methods and materials for containment and cleaning up**  
**For Containment:** None. Non-Toxic  
**For Cleaning Up:** None. Non-Toxic  
**Reference to other sections:** Refer to Sections 7, 8 & 13 for further details of personal precautions, personal protective equipment and disposal considerations.

## SECTION 7. HANDLING AND STORAGE

**Precautions for safe handling:** Do not use near heat sources, open flame, or hot surfaces. Non-Toxic.

**Conditions for safe storage, including any incompatibilities:** None. Non-Toxic

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Established Limits

Component	OSHA	ACGIH	Other Limits
None	Not Established	Not Established	Not Established

**Appropriate Engineering Controls:** None. Non-Toxic

**Occupational exposure limits:** None. Non-Toxic

**Personal Protective Equipment:**

**Respiratory protection:** Not required

**Eye protection:** Not required

**Skin protection:** None. Non-Toxic

**Hygiene recommendations:** None. Non-Toxic

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Appearance/Color:</b>	Tan wax block
<b>Odor:</b>	Sweet grain-like
<b>Odor Threshold:</b>	Not applicable, odor not associated with a hazardous material.
<b>pH:</b>	Not applicable, is not dispersible with water.
<b>Melting point:</b>	Not applicable
<b>Boiling point:</b>	Not applicable
<b>Flash point:</b>	Not applicable, does not contain components classified as flammable.
<b>Evaporation rate:</b>	Not applicable, is a solid.
<b>Flammability:</b>	Not applicable, is a solid.
<b>Upper/lower flammability or explosive limits:</b>	Not applicable, does not contain components classified as flammable or explosive.
<b>Vapor Pressure:</b>	Not applicable
<b>Vapor Density:</b>	Not applicable, is a solid
<b>Relative Density:</b>	1.13 g/mL @ 20°C
<b>Solubility (water):</b>	Not water soluble
<b>Solubility (solvents):</b>	Not applicable
<b>Partition coefficient: n-octanol/water:</b>	Not applicable
<b>Auto-ignition temperature:</b>	Not applicable, does not contain components classified as flammable.
<b>Decomposition temperature:</b>	Not applicable
<b>Viscosity:</b>	Not applicable, is not a liquid.

## SECTION 10. STABILITY AND REACTIVITY

**Reactivity:** Not Applicable

**Chemical stability:** Not Applicable

**Possibility of hazardous reactions:** Refer to Hazardous decomposition products

**Conditions to avoid:** Avoid extreme temperatures (below 0°C or above 40°C).

**Incompatible materials:** Not Applicable

**Hazardous decomposition products:** Not Applicable

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

#### Acute Toxicity

**LD50, oral (ingestion):** Not Toxic

**LD50, dermal (skin contact):** Not Toxic

**LC50, inhalation:** Not Toxic

**Skin corrosion/irritation:** Not Toxic

**Serious eye damage/Irritation:** Not Toxic.

**Respiratory or skin sensitization:** Not Toxic

**Germ cell mutagenicity:** Not Toxic

**Carcinogenicity:** Not Toxic

<b>Components</b>	<b>NTP</b>	<b>IARC</b>	<b>OSHA</b>
None	NA	NA	NA

**Reproductive Toxicity:** Not Toxic  
**Aspiration Hazard:** Not Toxic  
**Target Organ Effects:** Not Toxic

## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity Effects:** Not Toxic  
**Persistence and degradability:** Not Toxic  
**Bioaccumulative potential:** Not Toxic  
**Mobility in Soil:** Not Toxic.  
**Other adverse effects:** None.

## SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal:** Wastes resulting from the use of this product may be placed in trash, on-site, or at an approved waste disposal facility. Dispose of all wastes in accordance with all Federal, state and local regulations.

## SECTION 14. TRANSPORT INFORMATION

**UN number:** Not regulated  
**UN proper shipping name:** Not regulated  
**Transport hazard class(es):** Not regulated  
**Packing group :** Not regulated  
**Environmental Hazards**  
**DOT Road/Rail:** Not considered hazardous for transportation via road/rail.  
**DOT Maritime:** Not considered hazardous for transportation by vessel.  
**DOT Air:** Not considered hazardous for transportation by air.  
**Freight Classification:** LTL Class 60  
**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:** Not applicable  
**Special precautions for user:** None

## SECTION 15. REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture:** Not applicable  
**Signal Word:** None  
**Precautionary Statements:** None  
**Potential Health Effects:**  
**Eye Contact:** May cause irritation  
**Skin Contact:** Non-irritating to the skin  
**Ingestion:** Not harmful if swallowed  
  
**TSCA:** All components are listed on the TSCA Inventory or are not subject to TSCA requirements  
**CERCLA/SARA 313:** Not Toxic  
**CERCLA/SARA 302:** Not Toxic

## SECTION 16. OTHER INFORMATION

For additional information, please contact the manufacturer noted in Section 1.

<b>NFPA</b>	Health: 0 (Not Toxic)	Flammability: 1 (slight)	Reactivity: 0 (stable)	Specific Hazard: None
<b>HMIS</b>	Health: 0 (Not Toxic)	Flammability: 1 (slight)	Reactivity: 0 (minimal)	Protective Equipment: None

**Disclaimer:** The information provided in this Safety Data Sheet has been obtained from sources believed to be reliable. Bell Laboratories, Inc. provides no warranties; either expressed or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is offered for your consideration and investigation. The user is responsible to ensure that they have all current data, including the approved product label, relevant to their particular use.



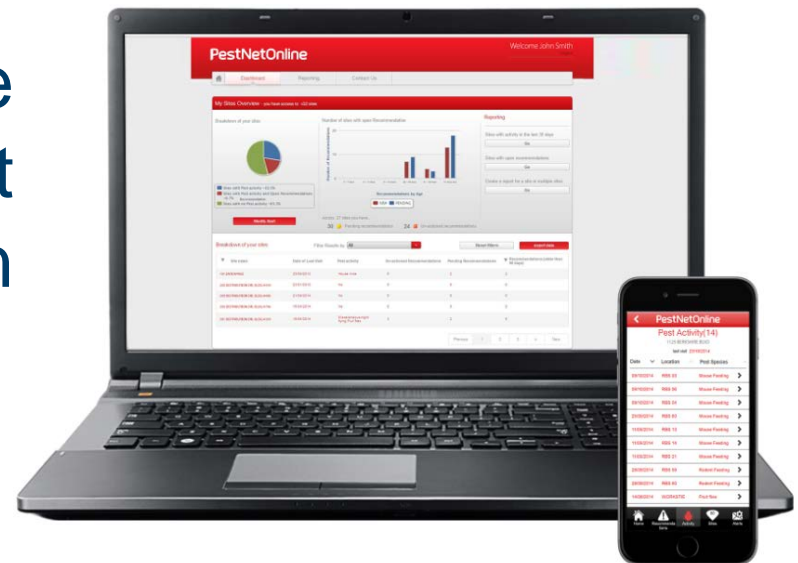
# Rentokil

Ehrlich | Western | Presto-X  
Your Local Pest Control Experts

# PestNetOnline

The complete online  
pest management  
and reporting solution

***Randy Hobbs***  
***Account Executive***



# What is PestNetOnline?

## Online reporting and analysis of all pest activity

- Intuitive and easy to use
- Complete visibility to minimize risks
- Increased efficiency with information at your fingertips
- Minimize exposure with all your pest control records and data in one place
- Stay in control with a smartphone app



# Who is PestNetOnline for?

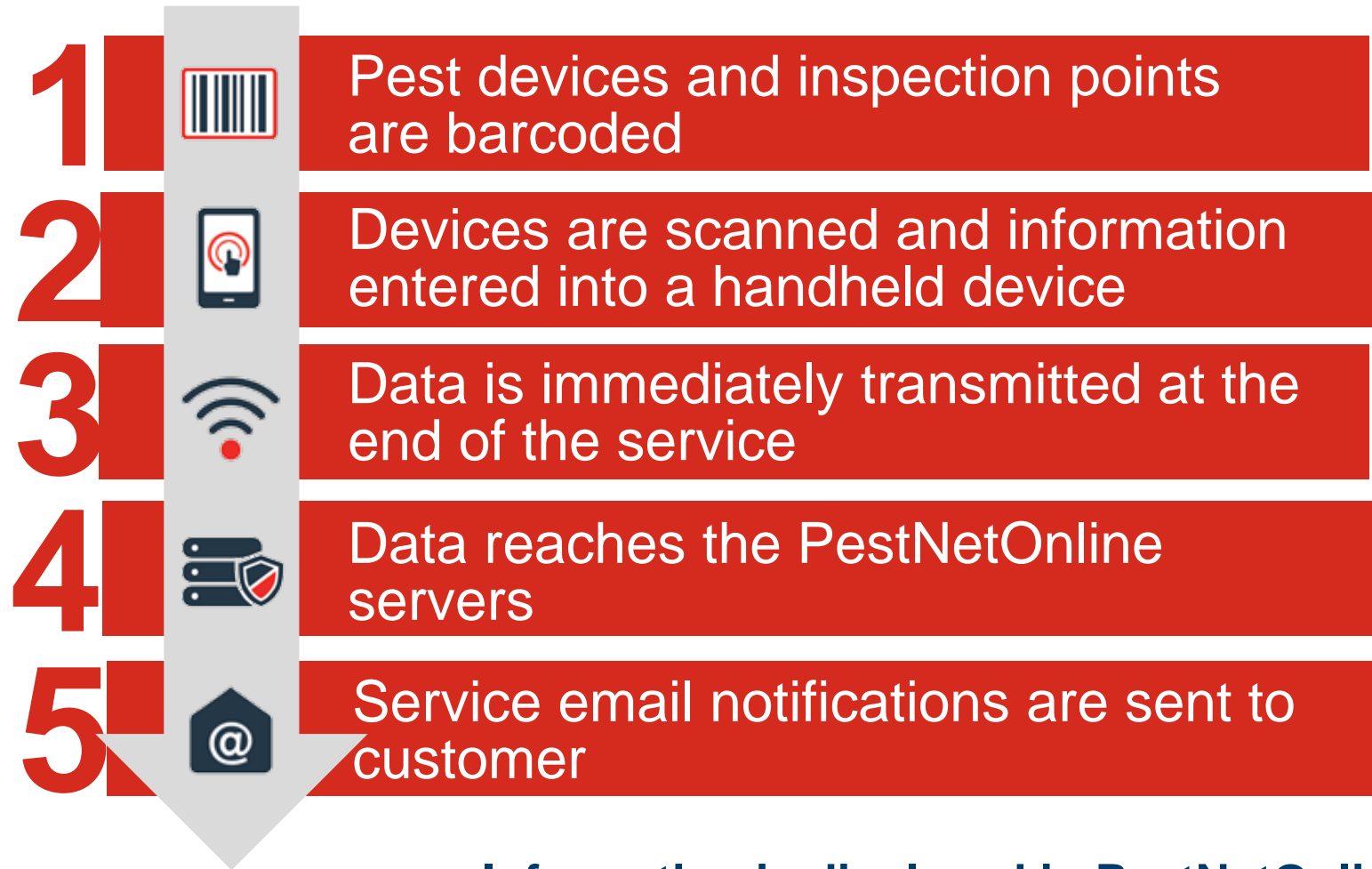
**For Food and Beverage, Pharmaceutical, Logistics, Healthcare, Commercial/Residential Property, and Retail... any business that needs online pest management and reporting**

## **Offering:**

- Personalized Dashboard
- Multiple and Single Site Locations
- Trend Analysis
- Detailed Service Reports
- Recommendation System
- Interactive Site Maps
- Documentation Availability
- Material Usage Reports
- Proof of Service



# How PestNetOnline works...



**PestNetOnline**

**Information is displayed in PestNetOnline and mobile applications**

# PestNetOnline

## Single site locations

- Provides a comprehensive review of all visit details
- Pest Activity and Recommendation charts summarizing at a high level all issues
- Visit Filters allowing you to quickly locate series of visit and types of visits
- Review and reprint any Proof of Service
- Navigation tabs take you directly to Tasks, Recommendations, Pest Activity and Material Usage detail screen – quickly and easily

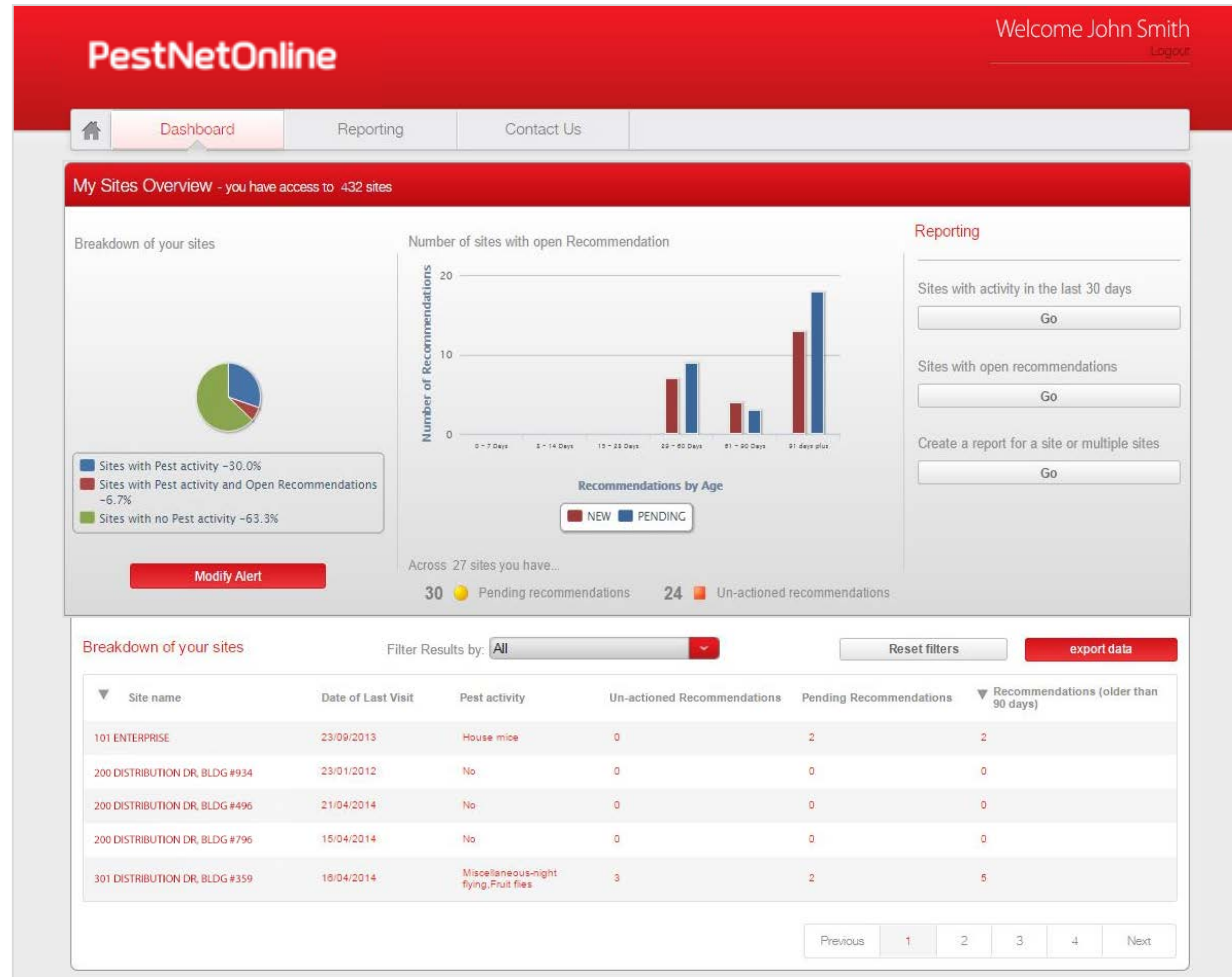
The screenshot displays the PestNetOnline interface for a specific site. At the top, the user is logged in as 'Client Name' with a 'Logout' link. The navigation menu includes 'Dashboard', 'Reporting', 'Service History', 'Audit Compliance', 'Documents', and 'Contact Us'. The main content area is divided into several sections:

- Site Overview:** Features a 'Recommendations chart by age' (a bar chart showing 12 pending recommendations) and a table of 'Recommendations outstanding' with columns for ID, Visit date, Type, Status, and Detail icon. Below the table are 'Modify Alert' and pagination controls.
- Rentokil Visits:** Shows a pie chart for 'Rentokil visits breakdown' with 'ROUTINE-71.4%' and 'CALLOUT-28.6%'.
- My Contract:** Displays contract details such as 'Contract Number: 05003654;20013654;20021706', 'Start Date: 22/07/2013', and 'Number of routine visits per year: 0'.
- Site Summary:** Shows '5701 Park Ave' with 'Last Visit Date: 11/04/2014'. It includes a 'Filter Result By: Zones With Activity' dropdown and an 'Update' button.
- Activity Table:** A table with columns for Building, Floor, Zone, Activity, and Recommendations. It shows two rows: one for 'Exterior' with 0 recommendations and one for 'Interior' with 1 recommendation.

# PestNetOnline

## For multi site locations

- A dashboard that summarizes all activity
- My Sites allows you to see an overview of your locations
- Navigation shortcuts allowing you to quickly and effortlessly research visit activity
- Link to all related information
- Export data for custom analysis



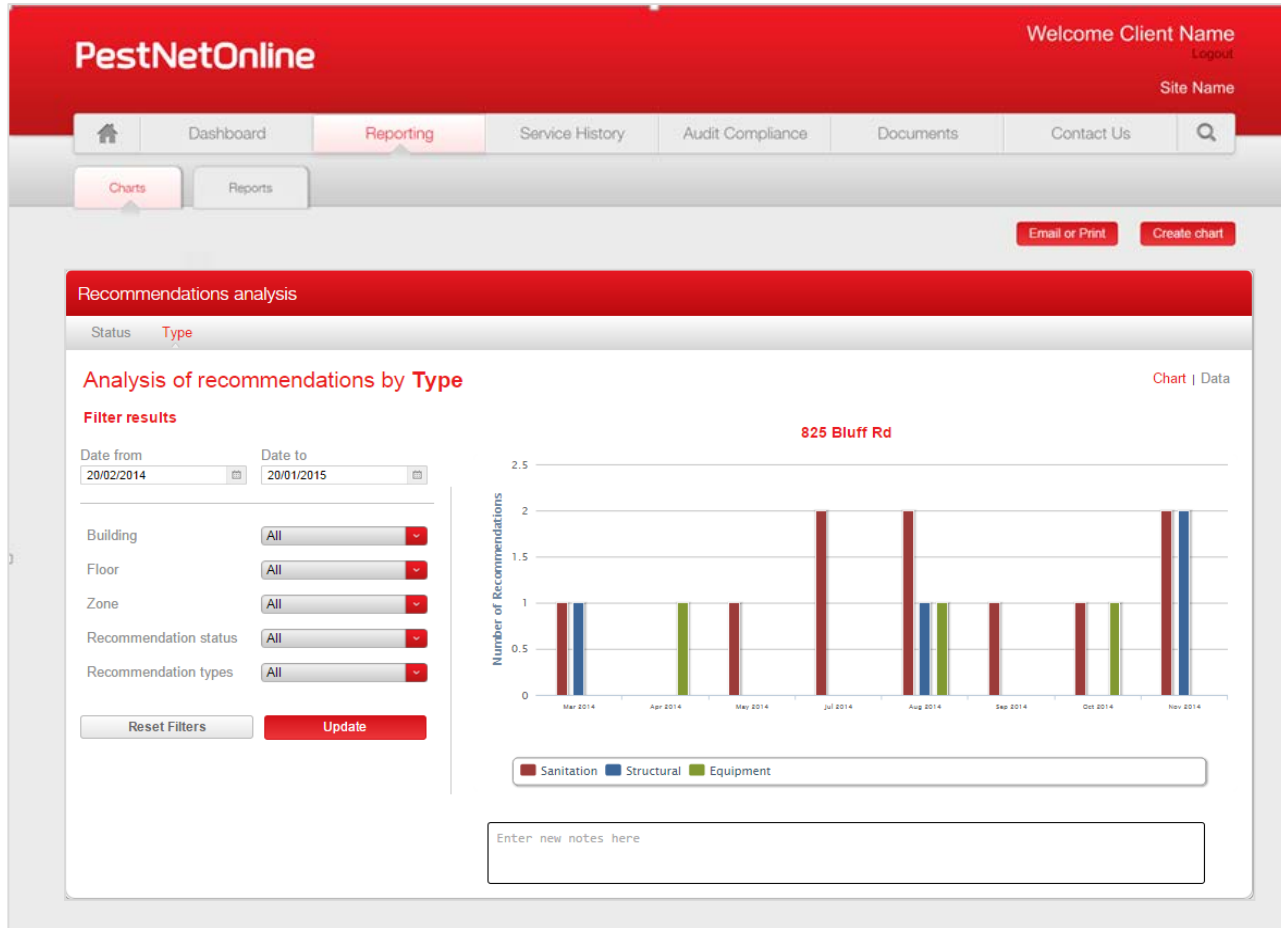
# PestNetOnline

The screenshot displays the PestNetOnline web application interface. At the top, there is a red header with the logo 'PestNetOnline' on the left and 'Welcome Client Name' with a 'Logout' link on the right. Below the header is a navigation bar with 'Dashboard', 'Reporting' (highlighted), and 'Contact Us' tabs, along with a search icon. The main content area is divided into two sections: 'Existing reports' and 'Create new'. The 'Create new' section contains a form titled 'Create a new report'. The form includes a text input for 'Please enter a report title...' with 'Pest Activity' entered. Below this is a red bar with the instruction '1) Select report type and location'. The form then asks for the 'Type of report' with radio buttons for 'All', 'Pest activity' (selected), 'Recommendations', and 'Preparations'. It asks 'What format should the report be' with radio buttons for 'Excel' (selected) and 'pdf'. It asks 'Where would you like this report emailed to?' with the email 'john.pfeffer@rentokil.com' entered. It asks 'When would you like the report to run?' with radio buttons for 'One Off' (selected) and 'Scheduled'. It asks 'What site locations would you link to report on?' with radio buttons for 'All' (selected), 'Internal', and 'External'. It asks 'Which sites would you like to report on?' with a list of sites: 'PestNetOnline Demo Account (E) (High Dependency)' and 'PestNetOnline Demo Account (A) (Commercial)', both with checkmarks. A 'continue' button is at the bottom right of the form.

## Analysis and reports

- Provides quick, ad-hoc snapshot analysis reporting on all pest and device type activity
- Reports can be created to document Pest Activity, Recommendations, Visit Performance, Task Performance and Material Usage
- Reports are distributed to you via email
- Can be created and ran once, or proactively scheduled on a Daily, Week, Monthly or Quarterly based upon your needs
- Many options available to customize a snapshot view of Pest Activity

# PestNetOnline



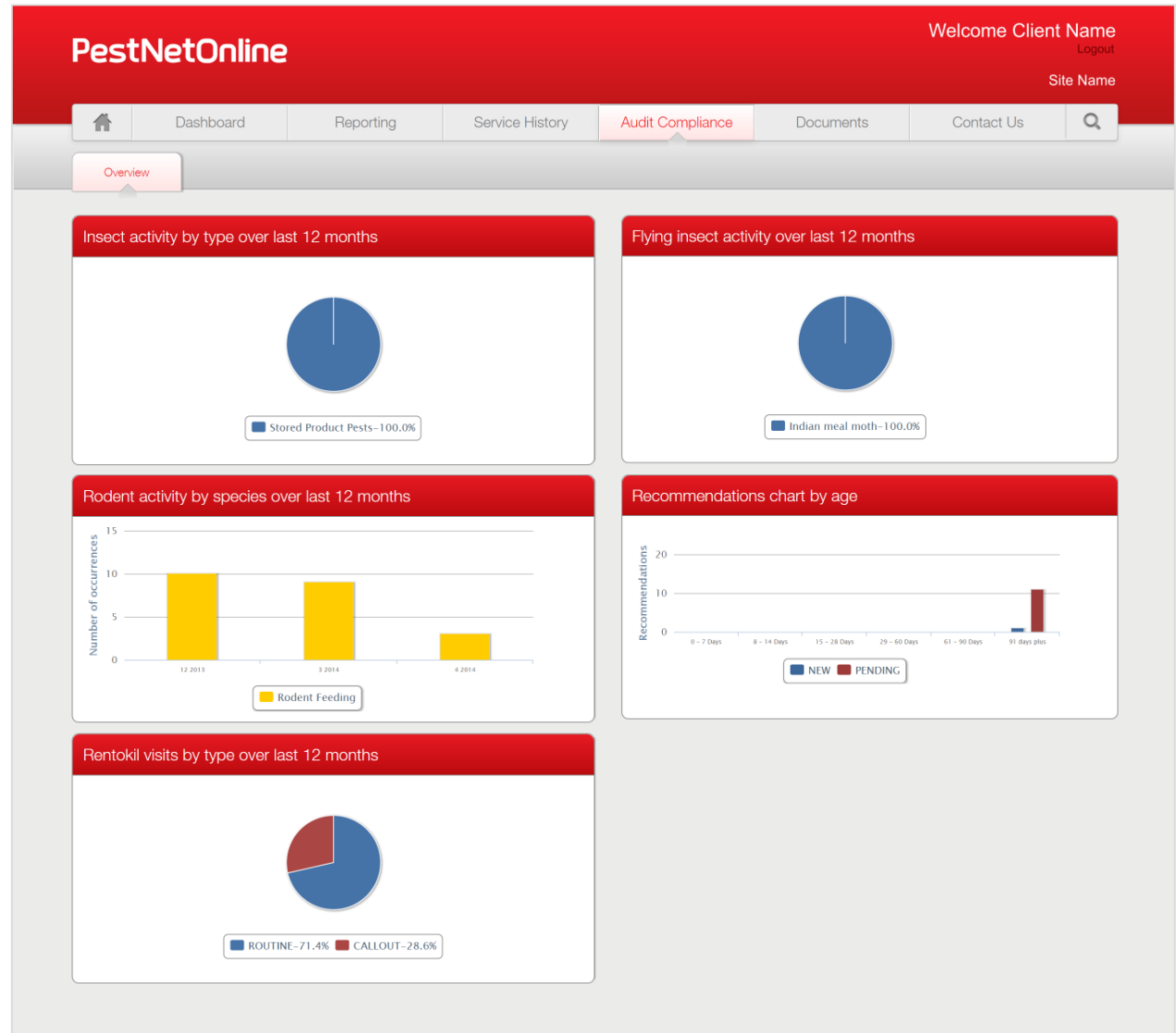
- Options to review an entire worksite, or specific Buildings / Floor / Zones within your worksite
- Feature rich with multiple date range options
- Provides quick, ad-hoc snapshot analysis on all pest activity
- Add commentary to charts



# PestNetOnline

## For high dependency customers

- A dedicated Audit Checklist page
- For AIB, BRC, and other 3<sup>rd</sup> Party Auditors, a single page that brings together all necessary visit details and links to related information



# PestNetOnline

## Site plans for high dependency and commercial customers

- Provide a interactive, graphic representation of device location
- Filters allow you to locate specific types (Mechanical Rodent Traps, Pheromone, etc.) quickly and easily
- Site Maps may also be printed if desired







The screenshot displays the PestNetOnline web application interface. At the top, there is a red header with the logo and a user welcome message. Below the header is a navigation menu with tabs for Dashboard, Reporting, Service History, Audit Compliance, Documents, and Contact Us. The main content area is divided into several sections:

- Site Overview:** Includes a chart for "Recommendations chart by age" and a section for "Recommendations outstanding".
- Rentokil Visits:** Shows "Rentokil Visits (over the last 12 calendar months)" and a "Rentokil visits breakdown" section.
- Site summary:** Displays the address "5701 Park Ave" and the "Last Visit Date".
- Building:** Lists "BUILDING" and "BUILDING".
- Site Map:** A large floor plan titled "PestNetOnline Demonstration Floor Plan" for "1335 Main Street, Oakville, OH" (revised Sept 05, 2014). The map shows various rooms such as Commissary, Candy Room, Pan Wash Room, Washroom, Office, Break Room, Maintenance Area, Chemical Cage, Freezer, and Loading Dock. Numerous devices are plotted on the map, including PHE (Pheromone) traps (e.g., PHE 001, PHE 002, PHE 003, PHE 004, PHE 005, PHE 006, PHE 007) and ISPO (Insect Sensing) devices (e.g., ISPO01, ISPO02, ISPO03, ISPO04). The map also features a "Number of Recommendations" y-axis and a "Pest activity map" filter.

# PestNetOnline

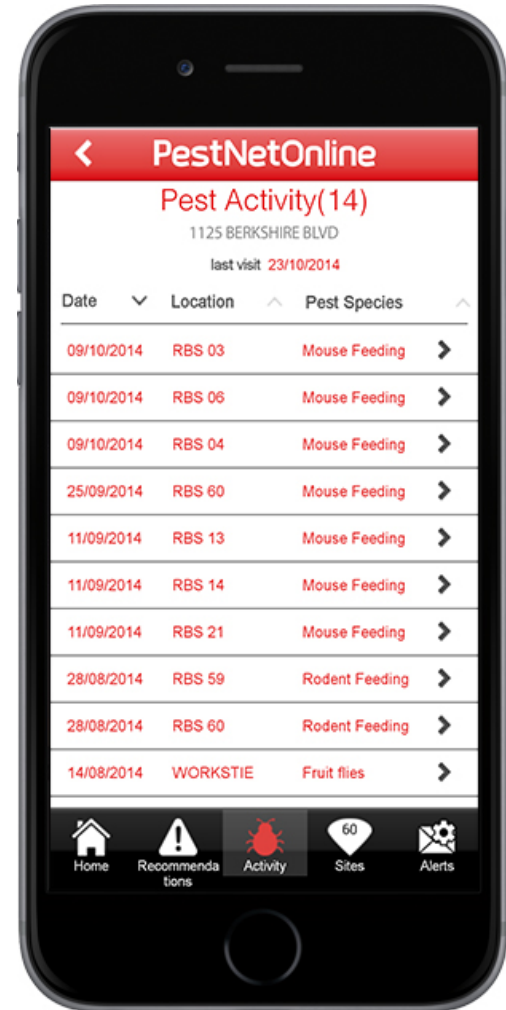
Site Documents,  
available to all users of  
PestNetOnline  
compliments all printed  
log book information  
electronically

The screenshot displays the PestNetOnline web application interface. At the top, there is a red header with the 'PestNetOnline' logo on the left and 'Welcome Client Name' with a 'Logout' link on the right. Below the header is a navigation menu with tabs for 'Dashboard', 'Reporting', 'Service History', 'Audit Compliance', 'Documents' (which is highlighted), and 'Contact Us'. A search icon is also present in the navigation bar. Below the navigation bar, there are two sub-tabs: 'Site Documents' (selected) and 'Site Plan'. The main content area is titled 'Documents list' and contains a list of documents. The list is organized into sections: 'TECH LICENSES, BUSINESS LICENSES, TRAINING CERTIFICATES', 'INSURANCE CERTIFICATES', and 'FACILITY ASSESSEMENTS'. Each document entry includes the document title, creation and expiration dates, and a download icon.

TECH LICENSES, BUSINESS LICENSES, TRAINING CERTIFICATES		
<b>Rentokil Background Check policy</b>	Created by : 04/04/2014   Version : 1   Expired by :	
<b>Technician License - John Doe</b>	Created by : 03/10/2014   Version : 1   Expired by : 06/30/2016	
<b>GMP Training Certificate - John Doe</b>	Created by : 01/01/2014   Version : 1   Expired by :	
INSURANCE CERTIFICATES		
<b>Insurance Certificate</b>	Created by : 01/01/2014   Version : 1   Expired by : 31/12/2014	
FACILITY ASSESSEMENTS		
<b>IPM Facility Assessment 2014</b>	Created by : 03/01/2014   Version : 1   Expired by :	
<b>IPM Facility Assessment 2013</b>	Created by : 14/01/2013   Version : 1   Expired by :	

# PestNetOnline Smartphone App

- **Home Screen**
  - Open recommendations
  - Instances of activity (last 90 days)
- **Recommendations**
  - Open recommendations total and by site
  - Open recommendations within a single site
  - Individual recommendation detail
    - Update the recommendation on the spot!
- **Activity**
  - Overall activity and activity instances by site
  - Last 90 days activity within a single site
  - Activity details and materials used
- **Site list and recommendation and activity indicators**
- **Email alerts creation**



# PestNetOnline Flexibility

## PestNetOnline offers three levels of functionality

- Whether you are a homeowner, local retailer, business with multiple branches or manufacturer, PestNetOnline will meet all of your business needs

Level	Residential	Commercial	High Dependency
Functionality	Privately owned residences, condos, and townhouses	Commercial organizations that do not require third party audit support	Businesses and organizations who utilize any third party audit group
Barcode Structure	One barcode is required	✓	✓
Materials Usage	Only through reporting	✓	✓
Pest Activity	✓	✓	✓
Updating Recommendations	✓	✓	✓
Visit Details	✓	✓	✓
Single Site Reporting	✓	✓	✓
Documents	✓	✓	✓
Reports	✓	✓	✓
Smartphone app (lite version)	✓	✓	✓
Alerts	X	✓	✓
Multi-Site Reporting	X	✓	✓
Detector History	X	✓	✓
Trends Analysis	X	✓	✓
Tasks	X	✓	✓
Site Plans	X	X	✓
Audit Compliance	X	X	✓

# PestNetOnline

For more information visit [pno1.rentokilna.com](http://pno1.rentokilna.com)

## Appendix O – CMP’s TCP & PMP Inspection Records

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## Appendix P – Project Signage Specifications

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Signage Specifications: Project Signage shall;

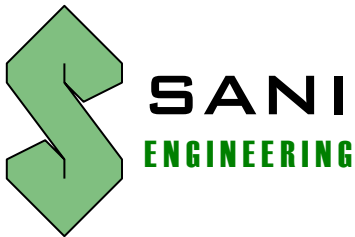
- Be constructed of weatherproof material (corrugated plastic)
- Have high visibility contrasting colours (dark letters on white background)
- Incorporate appropriate font types (mix of upper and lower-case lettering)
- Incorporate appropriate font sizes (16mm – 51mm) such that the signage is readable from a distance (16-20m)
- Size of signage will be poster size (600mm x 900mm) or larger; to allow community members to see and read the information from a distance
- Signage may incorporate plastic grommets positioned every 300mm around the perimeter of the signage to ensure a secure signage installation
- Signage will be installed/anchored to project fencing using plastic zip-ties
- Signage will be positioned along the project site as per the encroachment plan
- Signage shall not impede traffic of pedestrian sight lines
- **Signage shall be placed on site 10 days prior to the start of the noted construction activity to ensure the passing public has had adequate time to review, adjust their travel patterns, usage of streets and or can be considered 'informed'.**

Samples



## Appendix Q – Demolition Plan

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79 THORNE AVE DARTMOUTH, NS B3B 0A4  
PHONE - (902) 482-1009 FAX- (902) 468 – 6561  
[www.sani-engineering.com](http://www.sani-engineering.com)

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#3333881 NS Limited  
1040 Bedford Highway  
Bedford Nova Scotia  
B4A 1B4

August 17, 2020

Attention: Mr. Jamil Hage

**Re: Demolition Procedure for 174 Main Street, Dartmouth, Nova Scotia**

Sani Engineering Limited (SEL) has been retained by #3333881 Nova Scotia Limited to provide a demolition procedure for the building structure located at 174 Main Street in Dartmouth, Nova Scotia. It is our understanding the demolition contractor will be DJ Excavation and the person responsible for implementing the demolition procedure can be reached at 902-471-6987.

SEL recommends the following general demolition procedure:

- Demolition will be carried out using large excavators which can reach to or near the top of the building from the ground.
- Building will be demolished from outside-in, all debris will be kept on the property.
- Excavators will not be located on existing floor or roof structures and will always remain on solid ground or built-up solid debris piles
- In areas where the excavators cannot reach the top of the building, a stable debris pile will be constructed and the excavators will climb the piles as necessary.
- Prior to travelling on debris piles, the piles will be reviewed to ensure they are stable and are able to be safely travelled on.
- Dust control will be managed by means of a water truck.
- Once the building has been demolished all debris will be processed on-site, loaded onto trucks and hauled away.
- All work shall be performed in accordance with the Occupational Health and Safety Act of Nova Scotia.

Prior to structural demolition, the following conditions must be met:

- Fencing and signs are to be installed around the demolition site (this has been completed).
- Abatement of all hazardous materials is to be completed (this has been completed and a report has been issued).
- All building services located underground and overhead are to be determined and disconnected.
- A work hazard assessment is to be completed by the demolition contractor.

This procedure is to be read in conjunction with:

- Encroachment Plan (to be provided by owner)
- Site set-up and safety plan (to be provided by demolition contractor)

Trusting this meets your requirements, please do not hesitate to contact this office if you have any further questions. Should any existing conditions be found to be different than assumed, stop demolition and advise SEL immediately.

Trusting this meets your requirements, please do not hesitate to contact this office if you have any further questions.

Regards,

**Sani Engineering Limited**

Stefano Sani, P.Eng