
CONSTRUCTION MANAGEMENT PLAN

January 25, 2024

Eventide



1540 Carlton Street
Halifax, Nova Scotia

Project Number 23-691

PREPARED BY:

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1.0 INTRODUCTION

1.1 PROJECT DESCRIPTION AND OBJECTIVES

Killam Apartment REIT is proposing to construct a new multi-residential building located on 1540 Carlton Street, Halifax, NS. The proposed building is a single tower and will contain 59 residential units. The existing site borders Camp Hill Cemetery to the North, Carlton Street to the East, Spring Garden Rd to the south and Robie street to the West.

Design Point, together with **Killam Apartment REIT**, has prepared this Construction Management Plan (CMP) to reduce negative impacts to the community as a result of construction activities. This CMP 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. CMP drawings can be found in **Appendices B, D & G** and were prepared by Design Point's certified temporary workplace signer (TWS).

Should any changes be required to any aspect of this CMP, an email and hard copy of the proposed changes shall be sent to HRM for review a minimum of 10 days prior to their proposed implementation. Changes will only be implemented following approval from HRM.

1.2 PROJECT CONTACT INFORMATION

The project team for the proposed development consists of:

Owner: Killam Apartment REIT

3700 Kempt Road, Unit 100

Contact: 902-453-9000

General Contractor: Marco Group Ltd.

135 Ilsley Avenue, Dartmouth, NS, B3B 1T1

Contact: John Rhynold – 902-209-4399

Traffic Control Services: TBD

TBD

TBD – (XXX)-XXX-XXXX

Rodent Control Services: Rentokil Pest Control

11 Glendale Avenue, Lower Sackville, NS, B4C 3P2

Contact: Rob Colwell – 855-385-8906

Temporary Workplace Signer (TWS): Frontline Traffic Services

Eastern Passage, NS, B3G 1M7

Contact: Phil Pruneau – 902-818-5548

2.0 CONSTRUCTION SCHEDULE AND LOGISTICS

2.1 SCHEDULE

- Encroachment to be in place for the entire duration of project (22 months)
- Earthworks (February 5, 2024 – September 9, 2024) 7 Months
- Substructure (April 3, 2024 – August 1, 2024) 4 Months
- Superstructure (July 26, 2024 – June 5, 2025) 11 Months

From start to completion, the project will take approximately 2 years.

2.2 WORK WITHIN THE PUBLIC RIGHT-OF-WAY

For the entire duration of the project, an encroachment will be required around the entirety of the site. Specifically, the sidewalk adjacent to the proposed development on Carlton Street will be required to be closed to pedestrians. There will be no access to the south side of Camp Hill Cemetery and signage will be in place to direct pedestrians safely. There will be a partial road closure at the end of Carlton Street to ensure the safety of pedestrians and allow for connections of water, sanitary and storm services. Directional signage will be provided for pedestrian/vehicular traffic. The proposed set up can be seen in **Appendices B, D & G**.

For further information on Pedestrian Management, Site Signage, Encroachment signage and the Haul Route, the plan set ups can be seen in **Appendices D-G**.

2.3 HOURS

- Monday to Friday: 7:00 a.m. – 5:00 p.m.

General construction will be completed during daytime hours to avoid interruptions to residents in the evenings and night. During the project it is expected that some construction activities will take place outside of the working hours noted above. These activities will avoid the use of heavy equipment and or loud tools and will always adhere to all restrictions outlined in the HRM Noise Bylaw (N-200).

3.0 RELEVANT REGULATIONS & GUIDELINES

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 always 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:

- S-300 Streets;
- E-200 Encroachments;
- B-201 Building;
- N-200 Noise;
- T-600 Trees;
- S-900 Controlled Access Streets;
- T-400 Truck Routes;
- W-101 Discharge into Public Sewers;
- B-600 Blasting
- Smoke Free Act
- HRM TCM Supplement.

4.0 VEHICLE AND PEDESTRIAN MANAGEMENT

4.1 VEHICULAR TRAFFIC CONTROL

This project site is in a dense urban environment which poses specific risks related to vehicular traffic. This CMP identifies vehicle traffic controls to protect motorists, the public, and on-site workers.

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) in accordance with the CMP drawings.

Inbound traffic will be given priority to avoid a back up into the intersection.

Ends of F-Type concrete barriers at starts of temporary sidewalks shall have reflective tape complete with contrasting colors to assist in identifying temporary crosswalks. Similar reflective tape with contrasting colors will be provided along the sides of F-Type concrete barriers, near their tops, both on the vehicular traffic side and the pedestrian traffic side to assist in delineation of travel ways and walkways at night.

4.1.1 Payment of Applicable Fees

Payment of all applicable fees will be made in accordance with HRM Administrative Order 15 (AO15).

4.1.2 Vehicular Hazard Assessment

See **Appendix H** for vehicular and pedestrian hazard assessment information which validates **Killam Apartment REIT**'s rationale for requiring street encroachments and temporary sidewalks.

4.1.3 Traffic Control Plan Preparation & Monitoring

Separate Traffic Control Plans (TCPs) have been prepared as required for each project phase in accordance with the standards identified in the TAC Manual of Uniform Traffic Control Devices, the NSTIR Temporary Workplace Traffic Control Manual, and the HRM Traffic Control Manual Supplement.

TCPs have been prepared by DesignPoints' certified temporary workplace signer (TWS), Adam Leachy, P. Eng. The TCPs illustrate the proposed signage which will be installed to warn vehicular traffic ahead of, and throughout, the construction zone. Traffic control features and methods as well as information related to the TCPs are provided in **Sections 4.1.8**.

4.1.4 Notifications of Traffic Closures

The contractor shall notify HRM and the public to proposed traffic closures as outlined in **Section 8.3**.

4.1.5 Traffic Control Element Inspection & Maintenance

All TCPs will be implemented and monitored by a **Certified Traffic Control Company** and its team of certified Traffic Control Personnel (as recognized by the Nova Scotia Department of Transportation and Infrastructure Renewal). Construction warning signage will be displayed throughout the approaches, to and adjacent to, the project site in accordance with the Nova Scotia Temporary Workplace Traffic Control Manual. **Marco Group Ltd.** will inspect traffic control elements at the start and end of the

workday, or more frequently as required, and will maintain traffic control elements as required to ensure that the TCPs are effectively and correctly implemented.

4.1.6 Changes to Traffic Control Plans

Requests for modifications to TCPs will be sent to HRM for approval a minimum of 10 days prior to their proposed implementation.

4.1.7 Emergency Vehicle Access

Emergency vehicle access to the project site will always be maintained throughout the life of the project.

In cases of emergencies, on site workers will exit the projects site through the gates along Carlton Street. These gates will always remain unlocked when workers are on site to allow emergency response units access the site.

4.1.8 Traffic Control Plans & Haul Route Plan

Traffic Control and Haul Route Plans are provided in **Appendices D & F**.

4.1.9 Haul Route Plan

A Haul Route Plan (HRP) is provided in **Appendix F** and will be implemented throughout all phases of this construction project. This HRP includes the proposed route which construction and delivery trucks will use throughout construction and adheres to the HRM Traffic Control Manual Supplement. As shown in the HRP, haul routes will extend to their origins and destinations by streets approved in the HRM Truck Route Bylaw (T-400).

4.1.10 Parking

Parking Stall Removal

During construction, the on-street parking spots along Carlton Street will be temporarily removed as a temporary encroachment will be needed for the duration of construction. “No Parking” signs will be mounted where approximately the 15-20 spaces are lost (no metered stalls are located within the vicinity of the encroachment area).

Parking restrictions to be coordinated with Traffic Services.

Contractor Parking

To minimize parking requirements, on site workers will be encouraged to carpool to the project site.

Temporary Parking

During the Excavation, Substructure, and Superstructure phases, the contractors will be responsible to secure off-site parking.

Killam Apartment REIT is not requesting additional temporary on-street parking currently.

Net Parking Loss

During the Excavation, Substructure and Superstructure Phases there will be 15-20 on street parking spaces that will be lost as mentioned above.

Parking Signage

Parking signs are to be covered throughout the duration of the project.

Parking Within Encroachment Areas

Encroachment areas are intended for use as loading areas and temporary pedestrian routes. On site workers will not be permitted to park within the encroachment areas.

4.2 PEDESTRIAN MANAGEMENT

Pedestrian management will be of foremost consideration throughout the construction of this project. DesignPoint together with **Killam Apartment REIT** have prepared Pedestrian Management Plans (PMPs), Pedestrian Management Plans (PMPs), to assist pedestrians in navigating their way around this project site. These plans and signs are provided in **Appendices D & G**.

4.2.1 Bus Stop Relocation

There is no bus stop in the vicinity of the proposed work.

4.2.2 Payment of Applicable Fees

Payment of all applicable fees will be made in accordance with HRM Administrative Order 15 (AO15).

4.2.3 Pedestrian Hazard Assessment

See **Appendix H** for Pedestrian Hazard Assessment information which validates **Killam Apartment REIT's** rationale for requiring street encroachments and temporary sidewalks.

4.2.4 Pedestrian Management Plan Preparation & Monitoring

Pedestrian Management Plans (PMPs) have been prepared by DesignPoint's certified temporary workplace signer (TWS), Adam Leahy. The PMPs illustrate the proposed signage which will be installed to warn pedestrian traffic ahead of the construction zone. Pedestrian management features and methods as well as information related to the PMPs are provided in **Section 5.3** and in **Appendices D & G**.

4.2.5 Notifications of Pedestrian Closures

The contractor shall notify HRM and the public to proposed pedestrian closures as outline in **Section 8.3**.

4.2.6 Pedestrian Management Plan Compliance

All PMPs will be implemented and monitored by **Killam Apartment REIT**. Construction warning signage will be displayed throughout the approaches to, and adjacent to, the project site. **Killam Apartment REIT** will inspect pedestrian management elements at the start and end of the workday, or more frequently as required, and will maintain pedestrian management elements as required to ensure the PMPs are effectively and correctly implemented.

4.2.7 Changes to Pedestrian Management Plans

Requests for modifications to PMPs will be sent to HRM for approval a minimum of 10 days prior to their proposed implementation.

Notification of pedestrian disruptions will be distributed to affected residents and businesses a minimum of 5 days in advance of disruptions. Modifications to PMPs for unforeseen events will be sent to the Municipality for approval.

4.2.8 Pedestrian Management Plans

Pedestrian Management Plans (PMPs) have been prepared by DesignPoint's certified temporary workplace signer (TWS), Adam Leahy. Separate PMPs have been prepared as required for each project phase (see **Appendices D & G**). The Pedestrian Management Plans illustrate the pedestrian routes throughout construction and signs which will be erected to warn and direct pedestrians in a safe and convenient manner.

Servicing Phase Pedestrian Management

During the entirety of the project, the sidewalks along Carlton Street are expected to be closed to pedestrians. Accordingly, appropriate signage will be in place to warn pedestrians of the sidewalk closure area and direct them to the opposite sidewalk.

Sample Pedestrian Management Plans showing pedestrian routes and signage details are provided in **Appendix G**.

4.2.9 Visually Impaired Persons

Construction areas can be particularly difficult to navigate for visually impaired persons. DesignPoint has reviewed elements identified by the Canadian National Institute for the Blind (CNIB) to assist the visually impaired and has incorporated these elements into the design of the CMP.

Ends of F-Type concrete barriers at starts of temporary sidewalks will have reflective tape complete with contrasting colors to assist the visually impaired in navigating their way around this project site. Similar reflective tape with contrasting colors will be provided along the sides of F-Type concrete barriers, near their tops, both on the vehicular traffic side and the pedestrian traffic side.

Sawhorse barricades painted "safety orange" will be located at all termination points along pedestrian routes to assist all pedestrians, especially visually impaired persons, in identifying the transition between pedestrian routes and traffic travel ways. These sawhorse barricades will be constructed complete with an orange-painted wooden 2" x 4" board complete with visual and braille text indicating "No Crossing" which will be fixed along the bottom of the sawhorse barricade for cane detection. Sawhorse barricades will be set up at existing street crossings to clearly identify that these crossings are out-of-service.

4.2.10 Accessibility

All pedestrian routes shall be barrier-free, utilizing existing curb cuts and sidewalk ramps. It will always be the contractor's responsibility to keep all pedestrian routes free and clear of obstructions, including snow, construction debris, and public debris to ensure their continued functionality.

5.0 CONSTRUCTION SITE PROTECTION AND HOARDING

5.1 SITE PROTECTION AND HOARDING MATERIALS

5.1.1 Concrete F-Type Barriers

Concrete F-Type barriers will be installed as per the CMP drawings throughout all project phases. It will be the contractor's responsibility to regularly inspect the condition and layout of these barriers to ensure their continued functionality.

5.1.2 Fencing

Throughout all construction phases, a rigid fence will surround the development. It will be the contractor's responsibility to regularly inspect the rigid fences to ensure their continued structural integrity. Any deficiencies in fencing must be addressed immediately to prevent pedestrians from entering the project site through holes or overturned fences.

5.1.3 Translucent Mesh

Translucent mesh will be used in areas where plywood hoarding will not be used.

5.1.4 Hoarding

During the project, solid plywood hoarding will be designed and certified by a Professional Engineer (P.Eng.) and mounted on the section of the rigid fence adjacent to the site protect pedestrians from potential debris. All hoarding will be installed as per HRM specifications and guidelines.

5.1.5 Covered Ways

Throughout the duration of the project, the site will be enclosed from the public. Cover ways are not needed.

5.1.6 Snow Removal

It will be the contractor's responsibility throughout all construction phases to keep all temporary sidewalks clean and free of snow and ice within the project encroachment. The contractor will not dump snow or ice onto adjacent public property and will truck snow off site as required to prevent the unsafe build-up of snow piles, clearing of snow should meet all HRM service standards.

The contractor will be responsible to remove snow and ice as required to ensure that emergency access is maintained to the project site. The project will clear snow from street & sidewalk on Carlton Street.

5.1.7 Site Lines

Rigid fences and signage will be installed as per the CMP drawings such that vehicular site lines are maintained around the corners of street intersections.

5.1.8 Emergency Access & Egress

Along Carlton Street, the site will be accessible through gates. These gates are the primary location that will receive equipment/materials during construction and will always be locked after work hours. In cases of emergencies, on-site workers will exit the project site through these gates.

These gates will always remain unlocked when workers are on site so as to not restrict emergency response units from accessing the site. In addition, the entrance gates will be designated “Entrance Gate” and “Exit Gate” as shown in the CMP drawings.

Existing fire hydrants located along Carlton Street will remain protected and unobstructed from construction activities.

5.1.9 Reinstatement of Public Property

The contractor will be responsible to repair and pay for any and all damages incurred due to temporary encroachments including, but not limited to:

1. Rigid fence and scaffolding holes reinstated with concrete to existing conditions or better;
2. Street lines repainted to existing conditions;
3. Damaged sidewalks, curbs, sodding, and other public elements reinstated to existing conditions or better;
4. Tactile pedestrian launch bars removed, and asphalt underneath treated with asphalt sealant;
5. Cracked asphalt within the encroachment areas repaired using hot rubber (or approved equivalent); and

5.2 SITE PROTECTION AESTHETICS

Throughout all phases of the project, the project shall regularly inspect the project site and adjacent areas and keep the areas clean and free of debris, snow, and ice.

No additional site protection aesthetics are planned at this time.

5.3 SIGNAGE

5.3.1 Project Management Plan Renderings

Please refer to the attached Pedestrian Management Plans, indicating pedestrian route map in **Appendix G**.

5.3.2 Project Information Boards

Project information board will be mounted to the wooden portion of the site hoarding at the location identified on the Site Management Plan (**Appendix B**) to keep the public informed of general project details and project contact information. Information boards will be made from weatherproof material and secured to site hoarding using screws (or another equivalent). The signs should at least be 1000mm x 1000mm.

6.0 OPERATIONS

6.1 NAVIGATION CANADA & TRANSPORT CANADA REGULATORY APPROVALS

The project will apply for a separate encroachment permit for the tower crane during its use on the project. Shop drawings for the crane will be submitted at this time.

Transport Canada and Nav Canada clearance applications have been submitted. The Approval from Nav Canada can be seen in **Appendix K**.

During crane assembly and disassembly, crane components will be unloaded from a transport truck onto the vacant property owned by the developer adjacent to the site. These components will be assembled within the project site by site equipment.

6.2 OPERATIONS ABOVE THE PUBLIC REALM

During lifting operations, loads will not be suspended over the public realm.

7.0 ON-SITE CONDITIONS

7.1 SITE SAFETY AND SECURITY

All contractors on site will be required to have a Workers' Compensation Board (WCB) number and provide a monthly Clearance Letter to the Prime Contractor. Contractors will be required to comply with all applicable safety codes and regulations. The contractor will be required to provide a mandatory site safety orientation for all trades and site visitors.

The contractor will be required to have certified first aid responders on site during all construction activities. First Aid Room and mobile first aid kit will be made available at the project site and site office. Subcontractors are responsible to have their own first aid kit for their crew. This will be prominently posted and communicated to all on-site workers and visitors. In addition, fire extinguishers and burn kits will always remain available on site. The contractor will be responsible to carry out regular inspection of first aid room and mobile first aid kit, fire extinguishers, and burn kits and are to note any deficiencies and replenish room and mobile first aid kit as required for any missing or used items.

7.1.1 Access & Egress Gates

Signs identifying the "Entrance Gate" and "Exit Gate" will be prominently posted as per the TCPs (see **Appendix B**). These signs will be mounted directly onto the gates using steel cables.

7.1.2 Hazard Warning Signage

Hazard warning signs will be fastened to the "Entrance Gate" and "Exit Gate" warning personnel of potential hazards and personal protective equipment (PPE) required.

7.1.3 Gate Locking & Monitoring

Gates will be locked during non-work hours and will always be closed not in use. During holidays and weekends, the contractor will be responsible to check the project site gates daily to ensure they are secure.

7.1.4 Hoarding Signage

Hoarding will be marked with "No Trespassing – Construction Personnel Only" signs. All personnel on the construction site will always be required to use all proper personal protective equipment (PPE). PPE requirements will be prominently posted, and visitors will be required to sign in at the project site office before entering the site. The contractor has a disciplinary procedure in place to address non-compliance issues with regards to safety rules and regulations, this can include suspension from site.

7.1.5 Inspection Reports

The contractor will regularly inspect hoarding and address all safety-related and other deficiencies in a prompt and timely manner. Inspection reports on maintenance activities carried out will always be kept on site.

7.1.6 Dangerous Activities

Public safety and the safety of on-site workers will be of critical importance throughout all construction phases and all works will be carried out in accordance with the Nova Scotia Occupational Health and

Safety Act. For all dangerous activities, first aid kits will be readily available as outlined in **Section 7.1**. See **Appendix H** for vehicular and pedestrian hazard assessment information.

Hot Works

Hot works will be undertaken inside the project site property boundary. There will be a Hot work Permit in place before commencement of any hot work. The subcontractor will ensure that fire extinguishers are readily available for their hot work in the immediate vicinity of the work. In addition, hot works will be undertaken away from heavy equipment and heavy equipment routes. The first aid room, burn kits and mobile first aid kit and site designated fire extinguishers identified in **Section 7.1** will be available in the event of an emergency by the contractor.

On Site Smoking

Smoking will not be permitted on the project site. In addition, under no circumstances will smoking or open flames be permitted within the vicinity of combustible or explosive materials, to a minimum standard as identified in the material's product specifications. See **Section 7.1.9** for information related to the designated smoking area.

Ignition Source Controls

It will be the contractor's responsibility to review potential ignition sources regularly and to proactively mitigate the potential for them to ignite. Potential ignition sources include faulty wiring, hot surfaces and motors, welding, grinding, and other sparks, convex lenses (magnifying glasses), and reactive chemicals. Material and equipment specifications and best practices will be followed during all construction activities to reduce the risk of ignition. In addition, potential ignition sources and work which may result in potential ignition will be kept away from heavy equipment and heavy equipment routes.

Storage of Combustible Materials

On-site materials will be protected as required from environmental conditions such as snow, rain, and wind to prevent materials from causing harm to on-site workers or the general public. Combustible materials, as well as explosive, reactive, and corrosive materials, will be stored in accordance with their product specifications using storage sheds and containers within the loading area and on-site as required and will be kept away from heavy equipment and heavy equipment routes.

Waste Management Practices

Throughout construction the contractor will be required to maintain a clean and tidy work environment and work to proactively eliminate risks. The contractor will monitor the project site at the start and end of the work day, or more frequently as required, to ensure that waste is removed in a prompt and timely manner such that it does not pose a risk to on-site construction activities, on-site workers, or the general public.

7.1.7 Emergency Contact Information

As outlined in **Section 5.3**, throughout all project phases, **Killam Apartment REIT** and **Marco Group Ltd.** emergency contact information will be prominently posted on Pedestrian Management Plan Renderings and wayfinding signs.

7.1.8 After-hours Lighting

Site lighting will be maintained for safety reasons. Every effort will be made to redirect lighting away from adjacent residential areas. Existing site lighting will be retained as long as possible.

7.1.9 Smoking Area

Smoking will not be permitted on the project site other than in designated smoking areas. A smoking area will be designate in accordance with HRM by-laws and smoking area locations. Signs will be displayed showing the location of the designated smoking area on-site.

7.2 MATERIAL HANDLING, LOADING/UNLOADING, DELIVERY, AND VEHICLE STAGING

All material handling, loading, and unloading, deliveries, and vehicle staging will take place on site. The Haul Route Plan shows the route for trucks travelling to and from the project site, as outlined in **Section 4.1.9** of this report.

On-site materials will be protected as required from environmental conditions such as snow, rain, and wind to prevent materials from causing harm to on-site workers or the public. Efforts will be made to prevent dust and other materials from becoming airborne during high wind events.

See **Appendix H** for vehicular and pedestrian hazard assessment information.

7.3 ENVIRONMENTAL CONTROLS

7.3.1 Street & Right-of-Way Cleaning

The contractor has access to a street cleaner which will be used regularly to sweep streets and travel ways in and around the project site. Pedestrian travel ways will be hand swept daily, or more frequently as required. It will be the responsibility of the contractor to keep the temporary sidewalks free and clear of snow, ice, and debris. The contractor will also be responsible to remove snow on the street side of F-Type jersey barriers and fences within the ROW that cannot be removed by typical Municipality ploughing operations.

7.3.2 Stormwater Management and Runoff Pollution

The contractor will be required to prevent sediment from entering all adjacent catch basins and leads using erosion and sediment controls (see NSE Erosion & Sedimentation Control Handbook for Construction Sites). All water on site will be pumped into sedimentation control bags on the south side of the project, away from any existing catch basins. Water will then sheet flow overland away from the project in accordance with HRM Bylaw W-101. During dewatering activities, the contractor will monitor the sheet flow and ensure it does not cause negative impacts to the storm systems or affect drainage paths.

To achieve this, the contractor will install and maintain sediment raps in all catch basins directly adjacent to the project site. The sediment trap in this catch basin will provide further protection against storm system sedimentation. A filtering pond with a filtering bag will be used to reduce suspended particles before it is released.

7.3.3 Noise Pollution

The contractor will always adhere to the HRM Noise Bylaw (N-200).

7.3.4 Dust Pollution

As outlined in **Section 5.1** of this report, fencing and opaque mesh will assist in preventing the spread of dust throughout the project site.

In addition to the fencing and opaque mesh, the contractor will be responsible to carry out the following dust/debris controls.

1. Adjacent streets and properties will be regularly swept clean;
2. The excavation access will regularly be topped with clean gravel to prevent tire tracing from trucks;
3. Catch basins within and adjacent to hoarding will have sediment traps installed;
4. On dry days the site will be watered to prevent dust from becoming airborne; and
5. The upper levels of the new building will be regularly swept clean and materials secured to prevent construction debris from exiting the building site.

7.3.5 Emissions Control

All construction vehicles will be required to use the loading area for parking and idling to keep exhaust emissions within the construction zone down as much as possible. Vehicles will be staged so that idling will not occur for more than 3 minutes at a time. Note that, unless a vehicle motor is required to run to complete work functions, it must be turned off after no more than 3 minutes. Signs identifying these idling requirements will be posted on the front of the project site office trailer and within the loading area.

7.3.6 Rodent Control

Rodent movement increases during construction activities. The owner has engaged a certified rodent control professional, BBD Pest Services, to prepare a Rodent Control Plan (RCP) to help mitigate this. The RCP applies to all project phases with the goal of preventing movement of rodents off-site to find safe refuge in adjacent areas.

Rodent Control Credentials

BBD Pest Services is certified by the Canadian Pest Management Association (CPMA), is a member in good standing with the National Pest Management Association (NPMA) and is certified to be in conformance with ISO 9001:2008. All rodent control technicians on site will hold Nova Scotia Environment (NSE) pest control licenses. Proof of these documents will always be kept on site at the project site office trailer and remain available.

Rodent Control Management

The RCP will consist of a baiting and monitoring program. Bait stations (traps) will be placed approximately every 15 meters (50 feet) as outlined in the NPMA Pest Management Standards for Food Processing & Handling Facilities. Auxiliary buildings will remain locked and secure during all non-work hours and standing water will be promptly pumped off-site to abate attractive conditions for rodent habitation.

BBD Pest Services will begin 4 weeks prior to the commencement of the excavation phase by placing bait stations around the perimeter of the project site. This will help to lower the number of active rodents inside and around the project area prior to excavation. At the end of this 4-week period, BBD Pest Services will submit a rodent control effectiveness report to HRM for review. During construction phases (excavation, substructure, and superstructure), additional bait stations will be set on neighboring properties and within the HRM ROW if it is determined that the initial bait stations are insufficient to handle the increase in rodent activity. See **Appendix L** for Rodent Control Plan.

Bait stations will be secured in their locations using wooden stakes (for open sodded and dirt locations), weighted patio stones (behind walls and on paved areas), and zip-ties (fixed to fences). Bait stations within the project site will be fixed to rigid fences using zip-ties and will be placed on the private side of property line.

A rodent control package will always be kept on site and be housed in the project site office trailer. It will include copies of BBD Pest Service's certifications, letters of good standing, letters of conformance, technician names and licenses, rodent control plans, and rodent control records. BBD Pest Services technicians will be required to sign in and out upon arrival to, and departure from, the project site.

Rodent Control Safety Considerations

Public safety will be of critical importance for rodent control activities. Physical (snap) traps will be prohibited unless approved by HRM (the contractor must request proposed CMP changes to HRM a minimum of 10 days prior to planned implementation for review). Trap size will be sufficiently small to prevent children, dogs, or cats from entering and becoming poisoned and the bait/poison will be sufficiently weak so as not to kill children, dogs, or cats. In addition, bait stations will be tampering proof and bait will be securely fixed inside so that it cannot be shaken out. Bait stations will be opaque to protect the public from unsightly images.

Project Closure

Following completion of this project, BBD Pest Service's will promptly collect and appropriately dispose of all unused bait, bait stations, and remaining carcasses and will provide a close out letter to HRM outlining the work that was completed throughout construction and confirming that all necessary clean-up has been completed.

7.3.7 Light Pollution

Subject to approval by HRM Right-of-Way Services, temporary lighting used to illuminate temporary walkways will adhere to the ANSI/IES RP-8-14 Roadway Lighting Guidelines. The design of the lighting will be completed by a Professional Engineer (P.Eng.) registered in the province of Nova Scotia such that it does not negatively impact adjacent properties.

Lighting of the project site (private property) will be 3 m (maximum) above the highest elevation of the building or excavation and will be directed inwards towards the property.

7.3.8 Emissions Control

All construction vehicles will be required to use the loading area for parking and idling to keep exhaust emissions within the construction zone as much as possible. Vehicles will be staged so that idling will be minimized. Note that, unless a vehicle motor is required to run to complete work functions, it must be turned off after no more than 3 minutes. Signs identifying these idling requirements will be posted on the front of the project site office trailer and within the loading area.

7.3.9 EVR Protection

All trees in the construction area will be protected as per HRM guidelines. See **Appendix M**.

8.0 COMMUNITY ENGAGEMENT & NOTIFICATION

8.1 PRE-CMP COMMUNITY ENGAGEMENT

The owner and construction manager intend to contact neighboring residents and distribute community consultation letters to neighboring property owners in the immediate vicinity of the project. A sample of this community discussion is provided in **Appendix J**. Additional project information and major project updates will be sent to the community periodically throughout construction as required.

During construction, project contact information will be easily identifiable on Development Information Signs, which will be posted around the project site.

8.2 SCHEDULED COMMUNITY NOTIFICATIONS

As mentioned in **Section 8.1**, major project updates will be sent to the community periodically throughout construction.

8.3 CLOSURE NOTIFICATION REQUIREMENTS

Notification of street closures and public service interruptions will adhere to the requirements of the HRM Traffic Control Manual Supplement. Street closure requests require 10 days (minimum) notice to HRM prior to their planned implementation and must be approved by HRM prior to implementation. Notification to the affected public will be made a minimum of 5 days prior to the disruption. These notifications will be hand delivered and the contractor will keep and maintain a list of all effectively notified property owners such that they ensure all affected parties are notified. The contractor will notify HRM immediately upon confirmation of affected parties that have been notified and their respective civic addresses.

9.0 PERMIT & NOTIFICATION REQUIREMENTS

The contractor will be responsible to coordinate a pre-construction meeting 10 days prior to construction commencement to review the CMP on site. Attendees will include the contractor, the owner, HRM, Halifax Water (HW), utility companies, and representatives from neighboring properties.

10.0 REGULATION & ENFORCEMENT

10.1 INSPECTION & MONITORING

The contractor will be responsible to monitor the implementation of the CMP daily, or more frequently as necessary, to ensure its continued effectiveness. The contractor will complete a daily inspection/maintenance log of all CMP elements.

As outlined in **Section 1**, any changes required to this CMP must be sent to HRM for review 10 days (minimum) prior to their proposed implementation. Changes may only be implemented following HRM approval.

11.0 SUMMARY

This CMP has been prepared with the goal to minimize negative impacts to the community, pedestrians, and traffic throughout construction of this project. This CMP 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 as necessary as approved by HRM.

Should you have any questions or comments related to this document, please contact DesignPoint. For all construction-related inquiries, please contact the owner, contractor, or traffic control service provider (see contact information in **Section 1.2**).

Regards,

Marco Group & DesignPoint Engineering



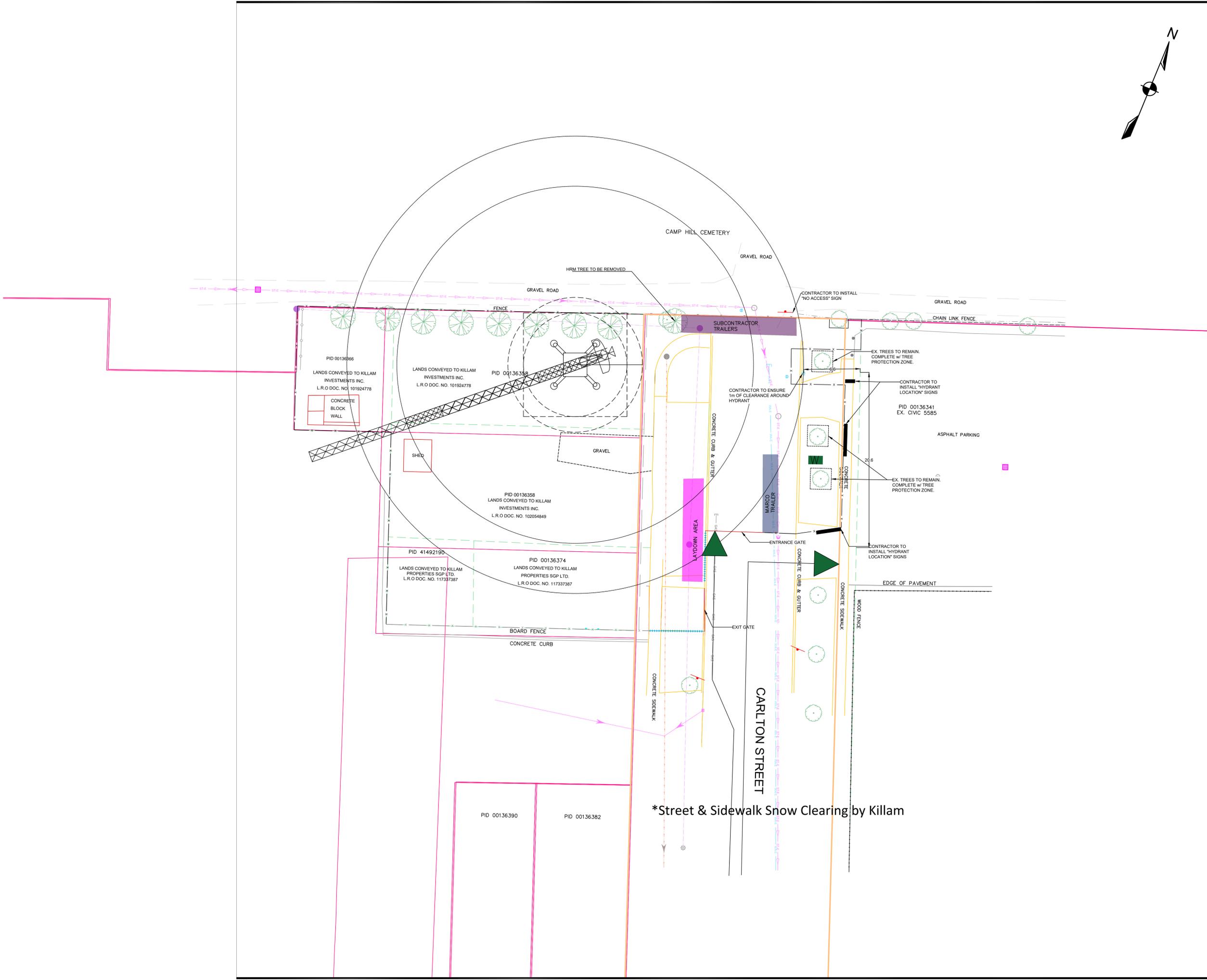
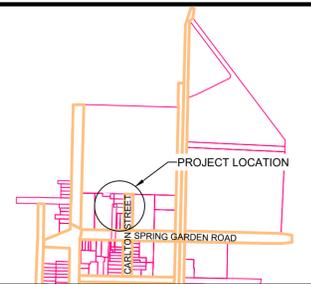
APPENDICES

APPENDIX A

Construction Plan Schedule

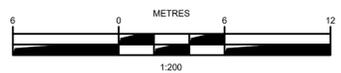
APPENDIX B

Logistics Plan



LEGEND

EXISTING		PROPOSED
	RIGHT OF WAY	
	LOT LINE	
	PEDESTRIAN PATH	
	HAUL ROUTE	
	HAUL ROUTE	
	STREET SIGN	
	STREET TREE	
	F-TYPE BARRIER	
	FENCE - MODULOC	
	CONSTRUCTION TRAFFIC	
	LOCAL TRAFFIC	
	TREE PROTECTION AREA	



ISSUE	DATE	DESCRIPTION
3	02/02/2024	REVIEWED AS PER MARCO COMMENTS
2	01/25/2024	REVIEWED AS PER HRM COMMENTS
1	12/6/2023	LOGISTICS PLAN

DESIGNPOINT
engineering • surveying • solutions

902.832.5597 designpoint.ca



CLIENT

MARCO GROUP LTD.

PROJECT DESCRIPTION

EVENTIDE

CARLTON, NS
SHEET DESCRIPTION

LOGISTICS PLAN

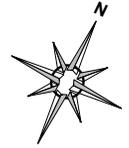
*Street & Sidewalk Snow Clearing by Killam

Drawn B.HENDRICKS	Engineer N.FOUGERE	Project No. 23-691	Drawing No. C-01
Scale 1:200	Filename 23-691 eventide.dwg		1 of 1

APPENDIX C

Concrete Pour Logistics Plan

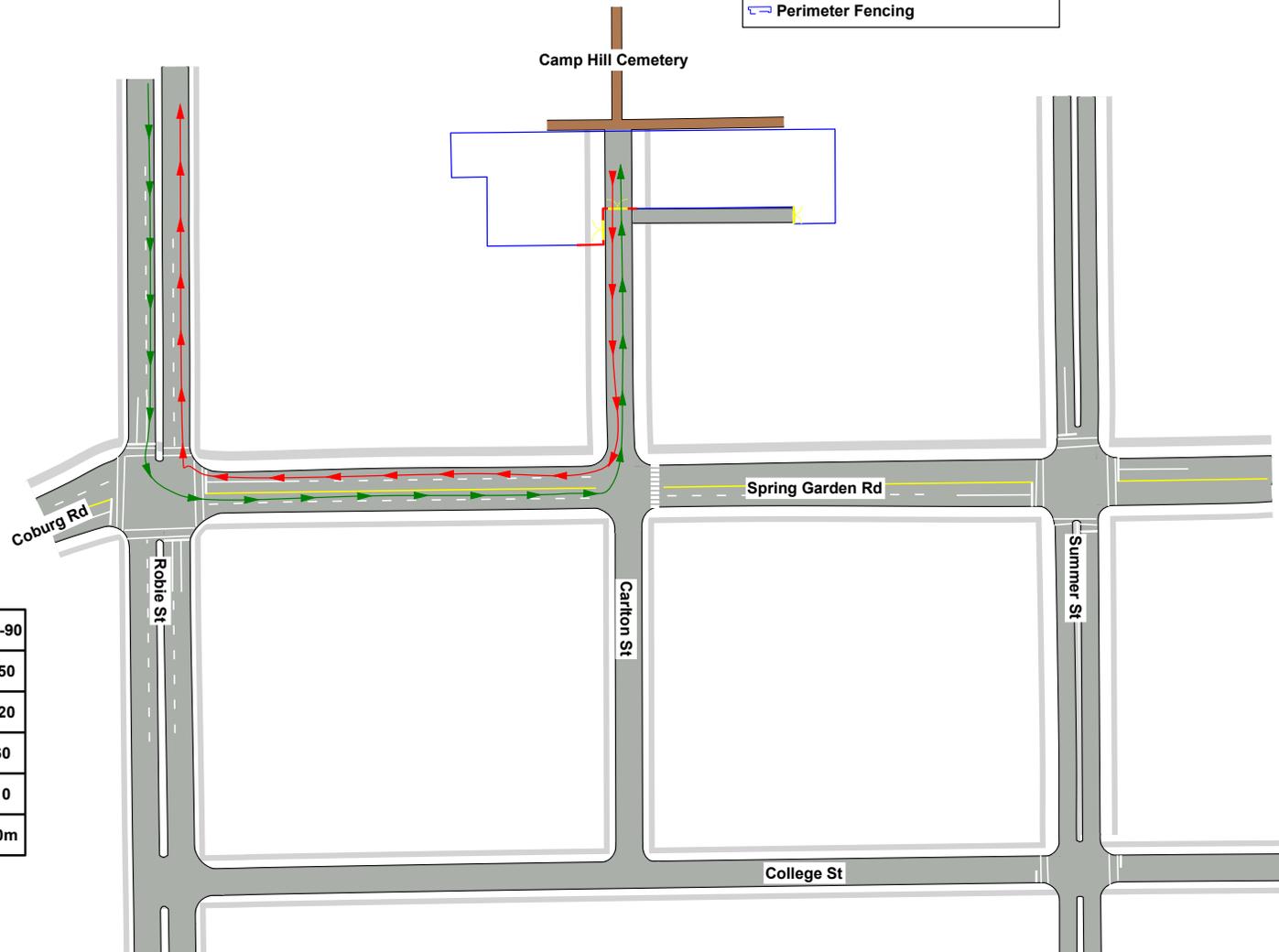
Concrete Delivery Plan



Date: 2021-05-28 Author: Norman Bussmann, TWS, Frontline Traffic Services, 902-817-3364 Project: Carlton St
 Contrator: MARCO Contact: Danny Luong, 902-209-9440

Comments:
 Not to Scale
 Application Guide C12
 Concrete Delivery Plan

Legend	
	F-type Barrier with Opaque Hoarding
	Gate
	Mixer Truck Inbound
	Mixer Truck Outbound
	Perimeter Fencing



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

Traffic Control Plans

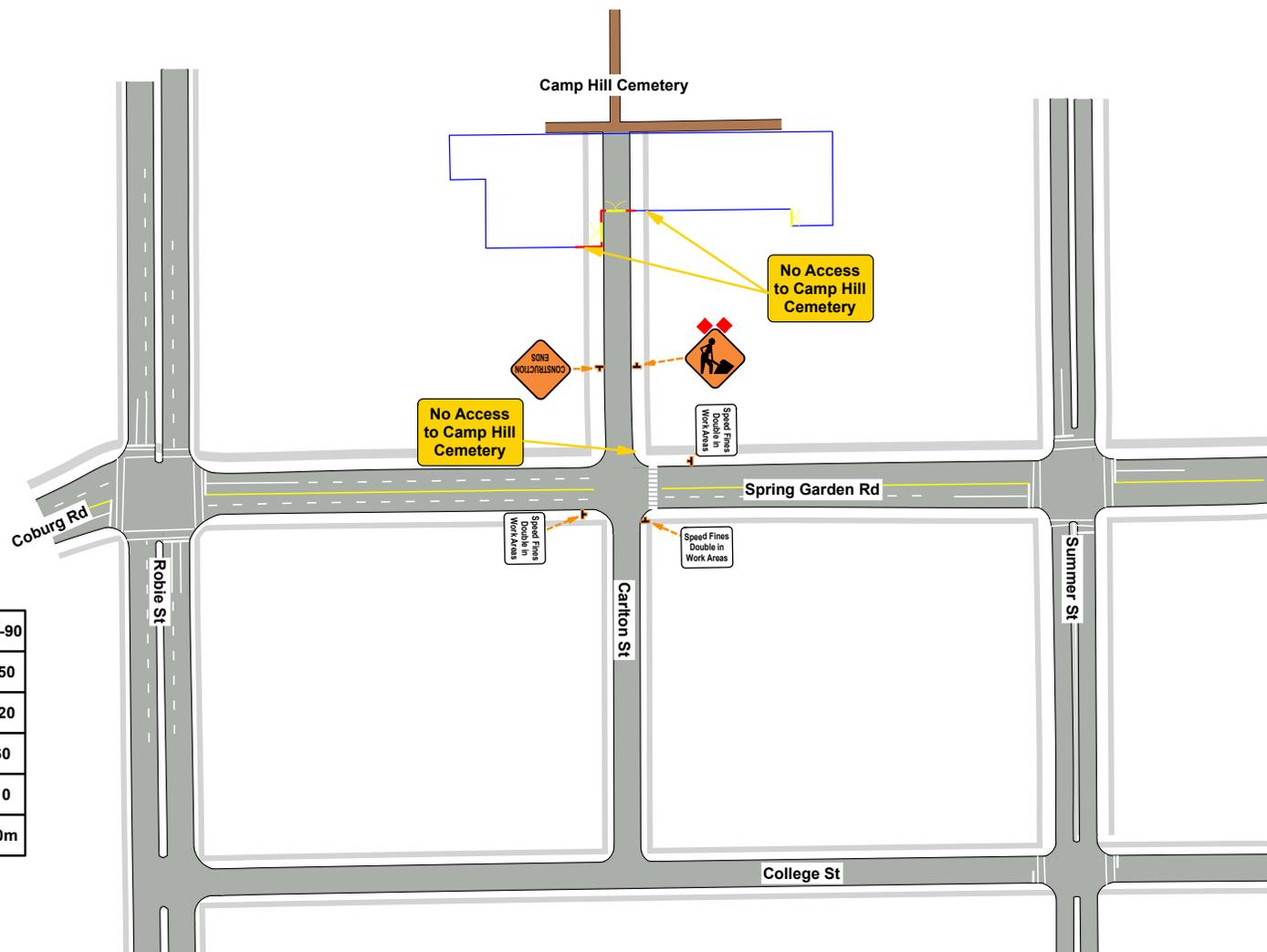
Encroachment Signage Plan



Date: 2021-05-28 Author: Norman Bussmann, TWS, Frontline Traffic Services, 902-817-3364 Project: Carlton St
 Contrator: MARCO Contact: Danny Luong, 902-209-9440

Comments:
 Not to Scale
 Application Guide C12
 Encroachment Signage Plan
 Custom Signage to be placed at intersection of Spring Garden Rd and Carlton St and on Site Fencing

Legend	
	F-type Barrier with Opaque Hoarding
	Gate
	Perimeter Fencing



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

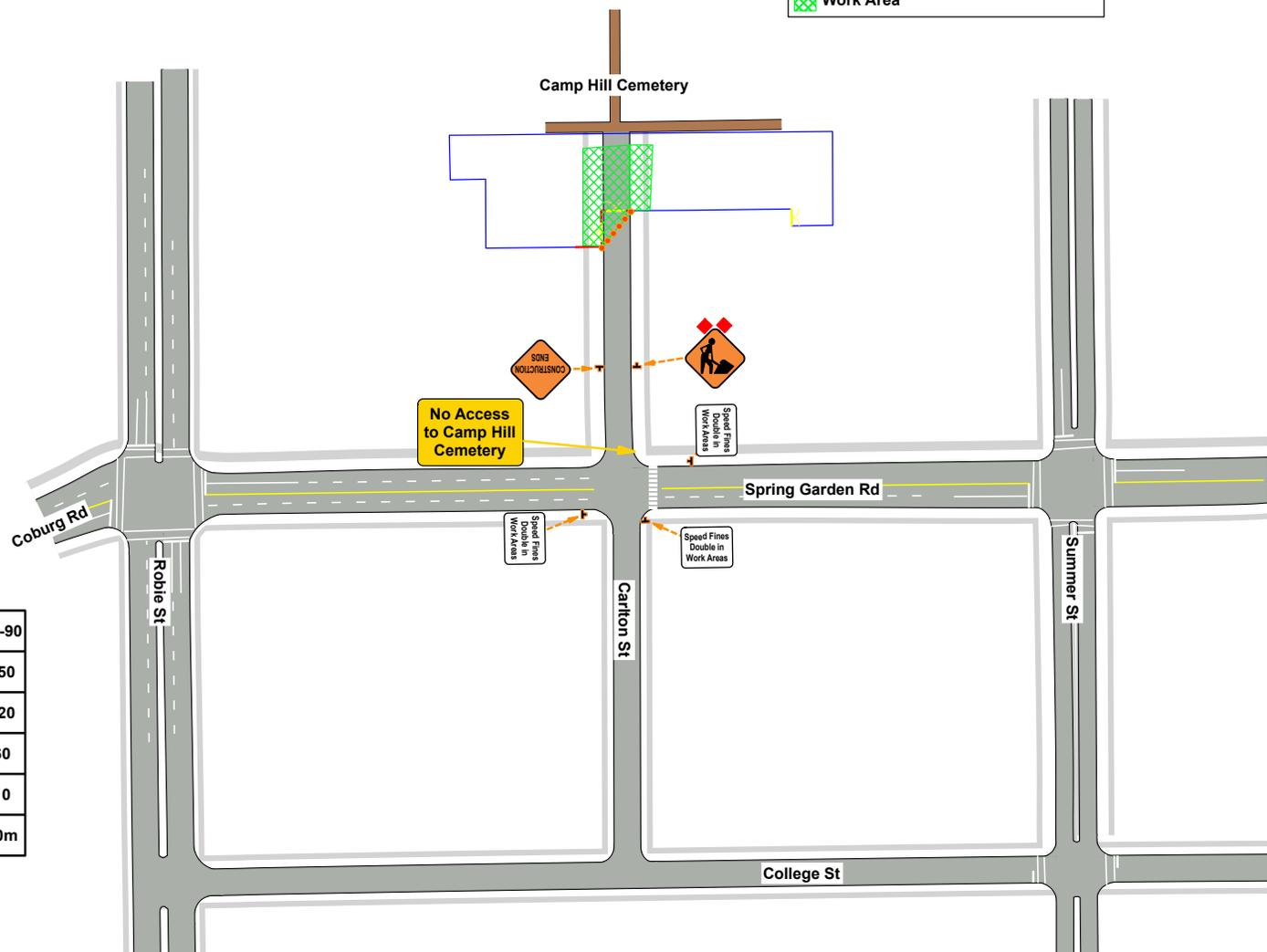
Service Laterals Installation Plan



Date: 2021-05-28 Author: Norman Bussmann, TWS, Frontline Traffic Services, 902-817-3364 Project: Carlton St
 Contrator: MARCO Contact: Danny Luong, 902-209-9440

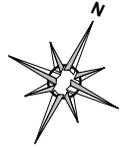
Comments:
 Not to Scale
 Application Guide C12
 Service Laterals Installation Plan

Legend	
	Barrel
	F-type Barrier with Opaque Hoarding
	Gate
	Perimeter 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

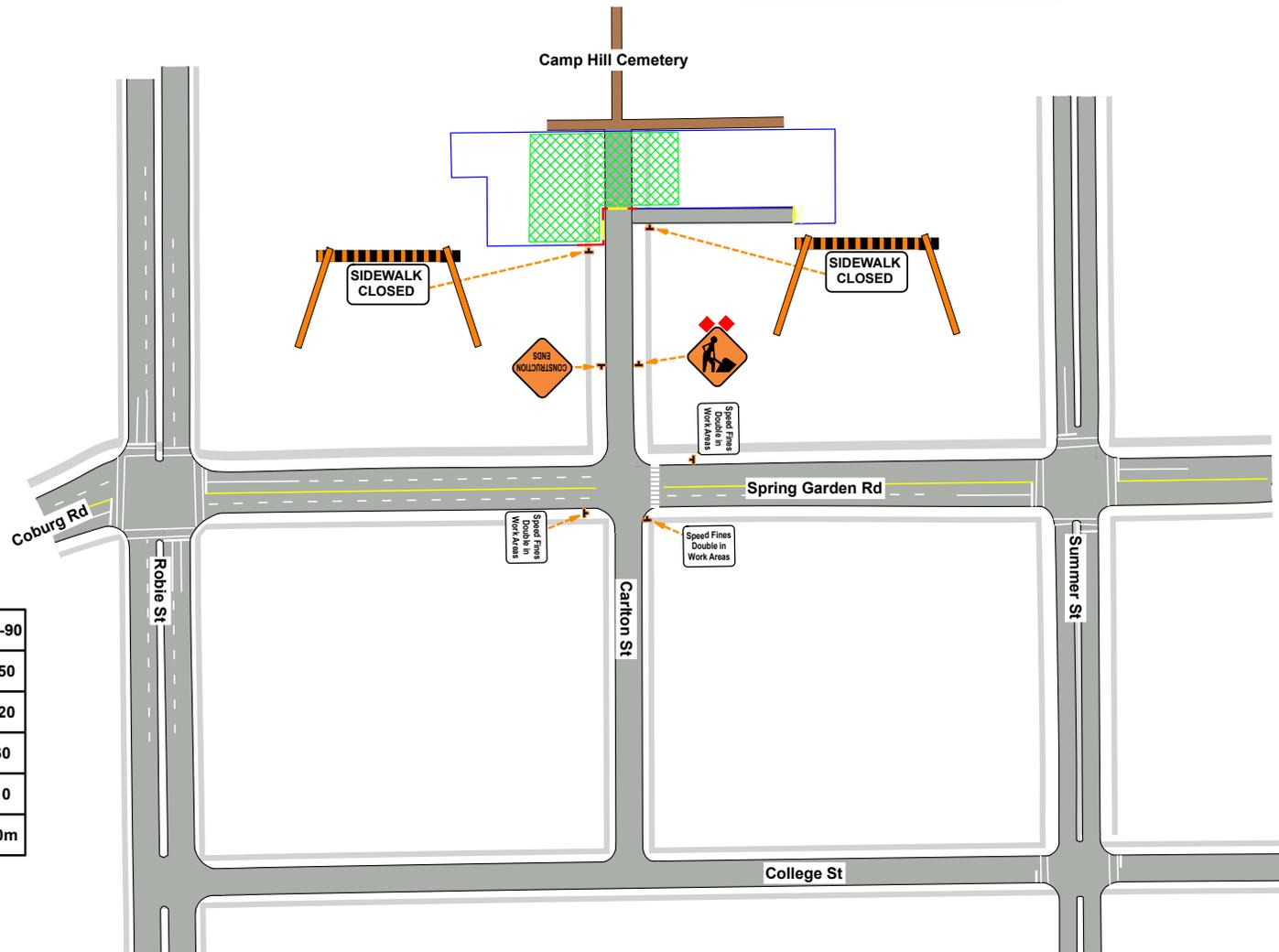
Crane Installation and Removal Plan



Date: 2021-05-28 Author: Norman Bussmann, TWS, Frontline Traffic Services, 902-817-3364 Project: Carlton St
 Contrator: MARCO Contact: Danny Luong, 902-209-9440

Comments:
 Not to Scale
 Application Guide C12
 Barrier Installation and Removal Plan
 Pedestrian Management as Shown

Legend	
	F-type Barrier with Opaque Hoarding
	Gate
	Perimeter 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 E

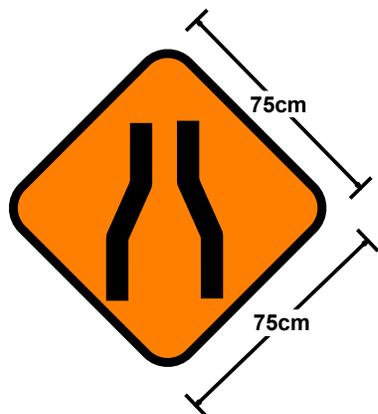
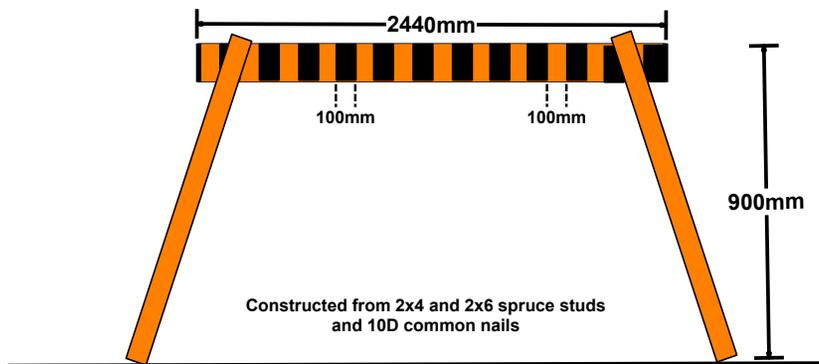
Site Signage Plan

To be posted in office/trailer:		
<input type="checkbox"/>	“MARCO SAFETY BOARD”	 <p>The image shows a 'MARCO SITE SAFETY BOARD' template. At the top, it features the MARCO logo (BUILDERS OF ATLANTIC CANADA) and the title 'MARCO SITE SAFETY BOARD'. Below the title are two rows of icons: 'Construction Safety' and 'Life Saving Activities'. The board is divided into several sections: 'SITE ADDRESS', 'EMERGENCY PHONE NUMBERS', 'JOB#', 'MARCO SAFETY POLICIES' (with sub-sections for 'COMPANY SAFETY POLICY' and 'MISCELLANEOUS POLICIES'), 'MAKE SAFETY A HABIT' (with sub-sections for 'MAP TO HOSPITAL' and 'OHSC MINUTES'), 'SITE SPECIFIC SAFETY PLAN', 'FIRST AIDERS', 'IN CASE OF AN INJURY AT WORK HERE'S WHAT TO DO', 'PROVINCIAL REPORTS', and 'SAFETY BULLETINS'. There is also a 'HARD HATS' section with a list of items: 'HARD HATS', 'SAFETY FOOTWEAR', 'SAFETY GLASSES', and 'REFLECTIVE VESTS', followed by the slogan 'SAFETY IS A PRIORITY'.</p>
Signage on gates as required:		
<input type="checkbox"/>	“CAUTION CONSTRUCTION AREA – DO NOT ENTER”	
<input type="checkbox"/>	“MUSTER STATION”	
<input type="checkbox"/>	“NO HIRING ON SITE”	
<input type="checkbox"/>	“NO SMOKING”	
<input type="checkbox"/>	“CONSTRUCTION SITE – SAFETY EQUIPMENT MUST BE WORN...”	
<input type="checkbox"/>	“NOTICE – ALL VISITORS MUST REPORT TO SITE OFFICE”	
<input type="checkbox"/>	Any/all other site-specific signage	Canada’s Best Managed Company, COVID -19, etc.

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**FIRE
HYDRANT
LOCATED
HERE**

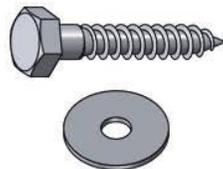
Size and material composition of signs and devices



Typical Temporary Condition Signage
Constructed from 1/2" plywood and
ASTM D4956 Type III Orange Sheeting



Mounting Hardware is dependent on
mounting location.



Typical for wooden posts are 1/2" x 4"
galvanized lag screws with 1.5" washers.



Typical for metal and concrete poles are
1/2" x 24" stainless steel hose clamps

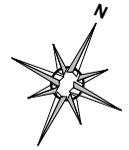


Typical for small 2.5" posts are 2.5" x 3.5"
stainless steel U-bolts

APPENDIX F

Haul Route Plan

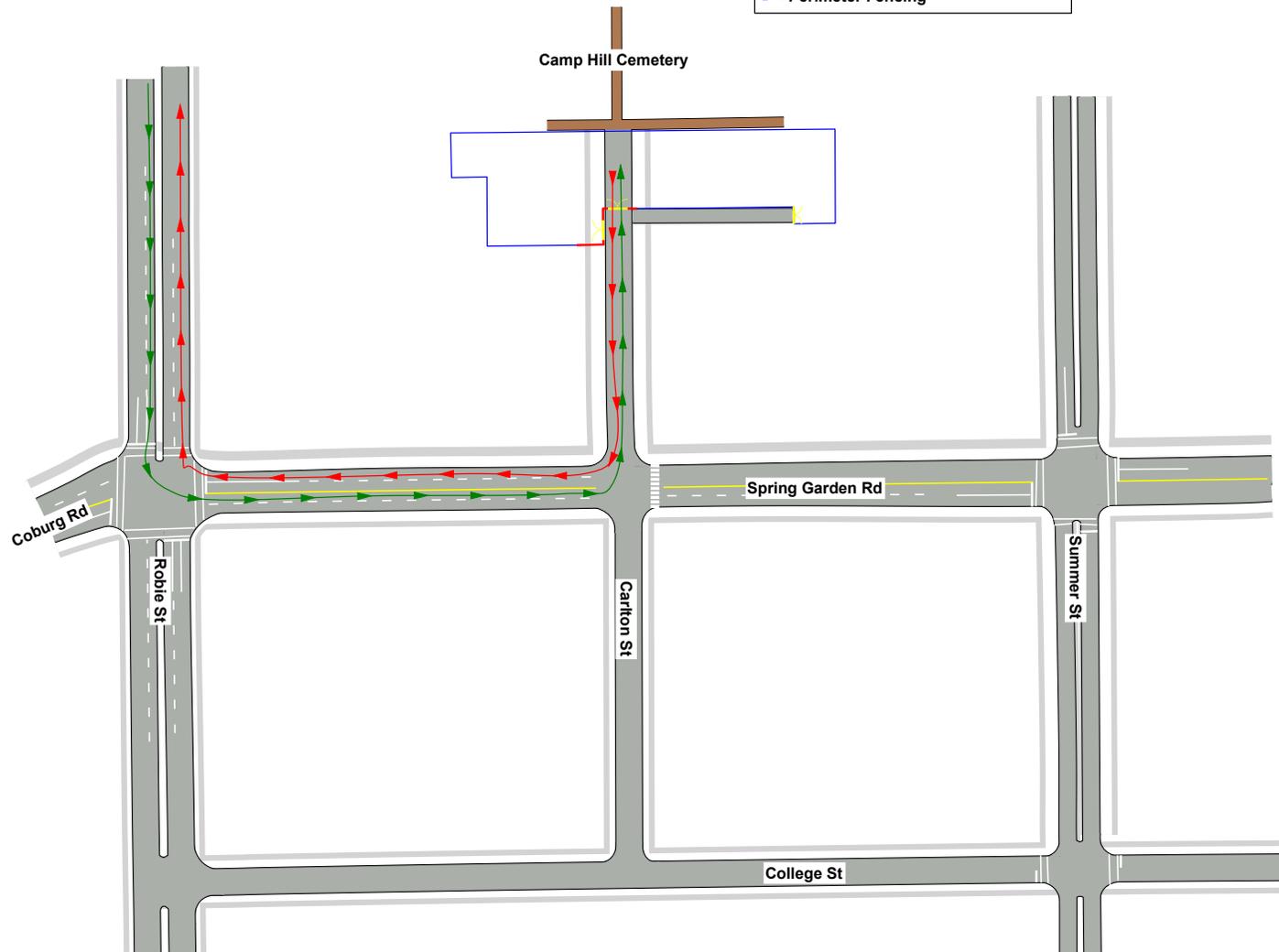
Haul Route Plan



Date: 2021-05-28 Author: Norman Bussmann, TWS, Frontline Traffic Services, 902-817-3364 Project: Carlton St
Contrator: MARCO Contact: Danny Luong, 902-209-9440

Comments:
Not to Scale
Haul Route Plan
Inbound via Robie St to Spring Garden Rd to Carlton St
Outbound via Carlton St to Spring Garden Rd to Robie St

Legend	
	F-type Barrier with Opaque Hoarding
	Gate
	Haul Route Inbound
	Haul Route Outbound
	Perimeter Fencing



APPENDIX G

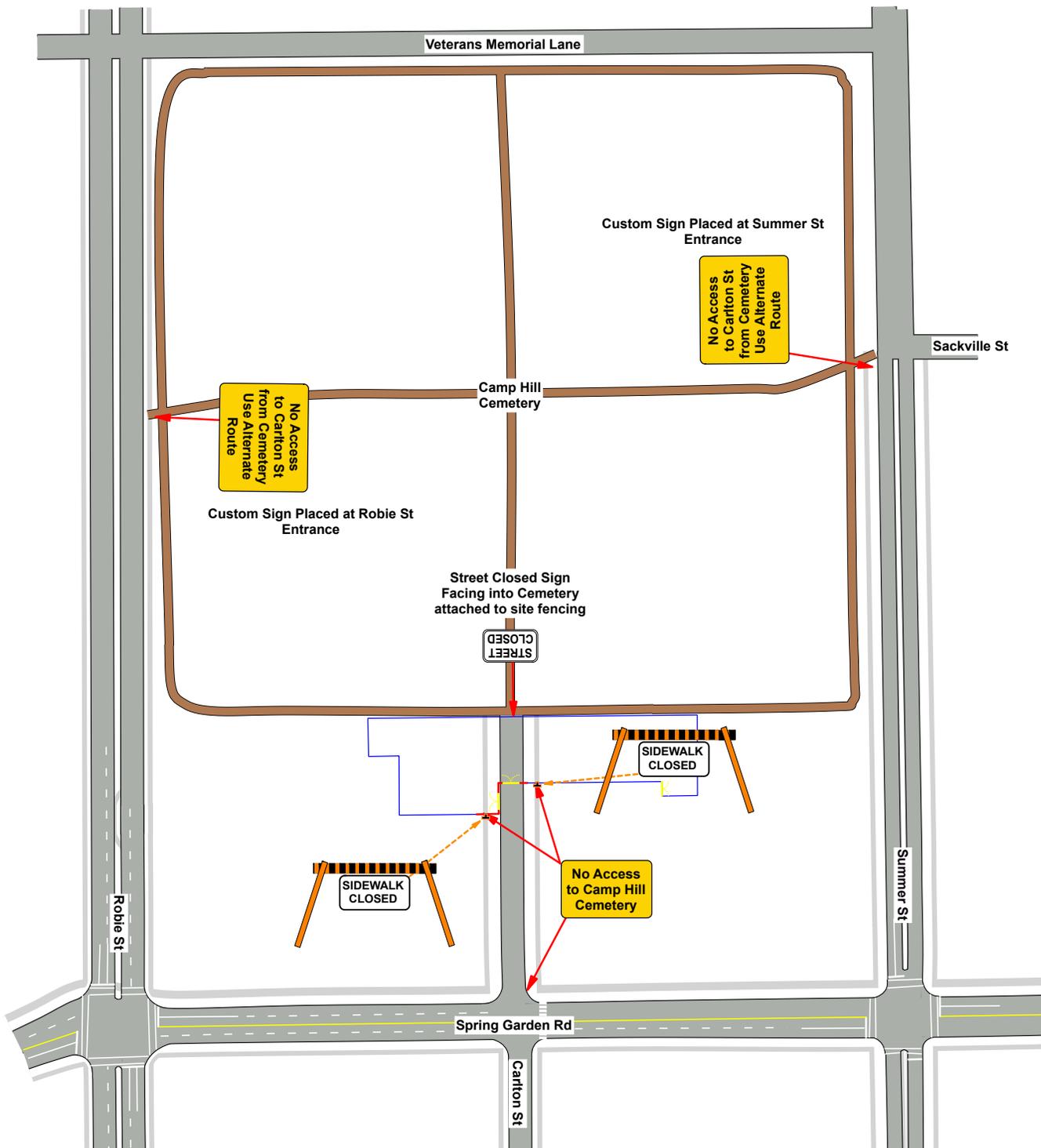
Pedestrian Management Plan

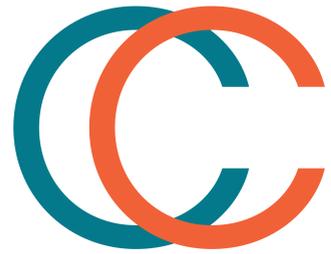
Pedestrian Management Plan



Date: 2021-05-28 Author: Norman Bussmann, TWS, Frontline Traffic Services, 902-817-3364 Project: Carlton St
Contrator: MARCO Contact: Danny Luong, 902-209-9440

Comments:
Not to Scale
Pedestrian Management Plan
Sidewalks on Carlton St will end at the encroachment on both sides.
No access from the Cemetery to Carlton St so custom signage added at each entrance.
No access from Carlton St to the Cemetery, therefore custom signage to be placed at the corner of Carlton St and Spring Garden Rd

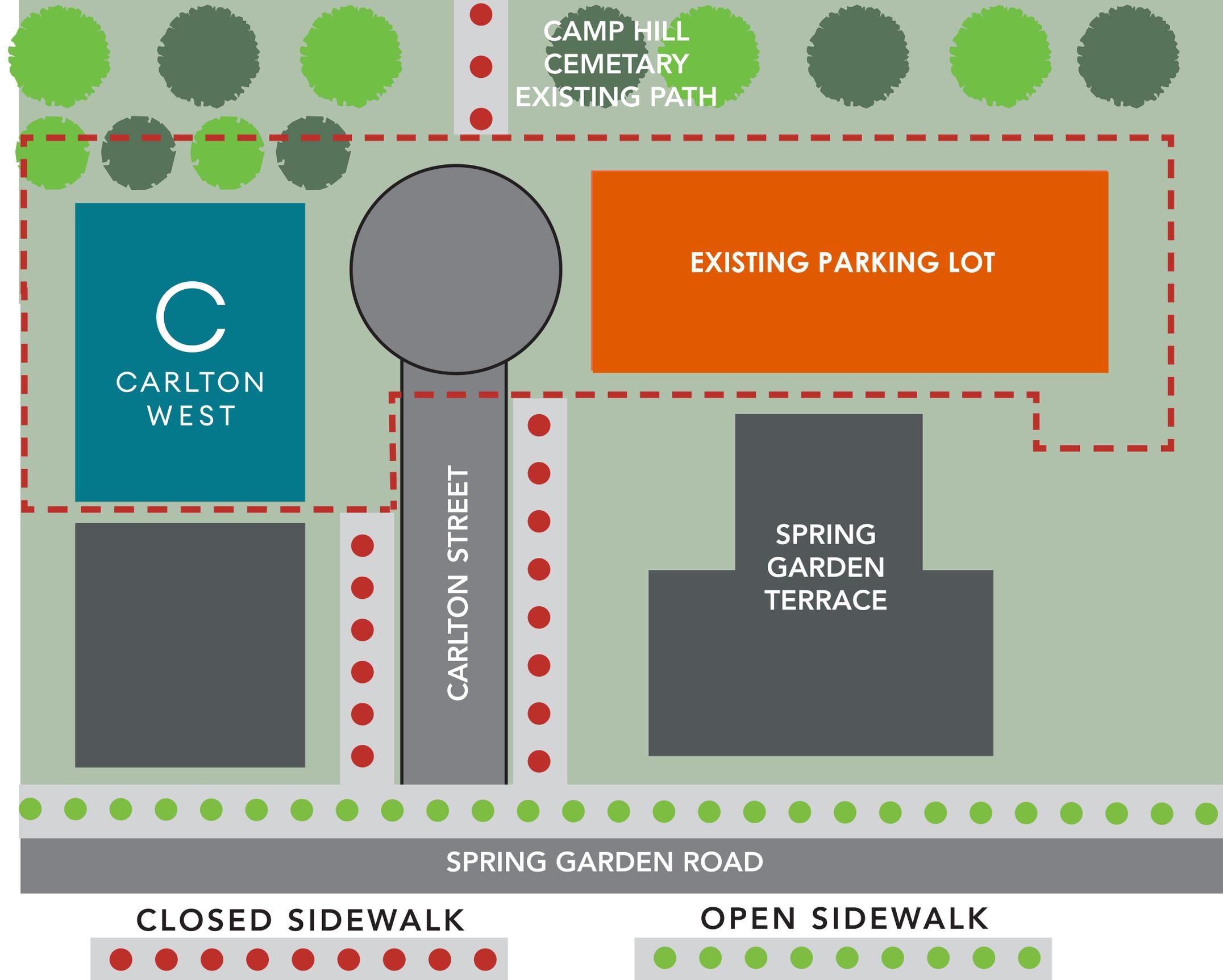


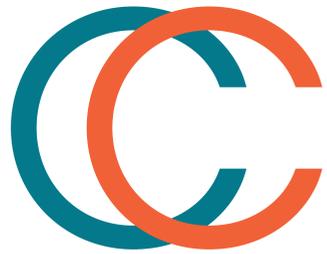


THE CARLTONS



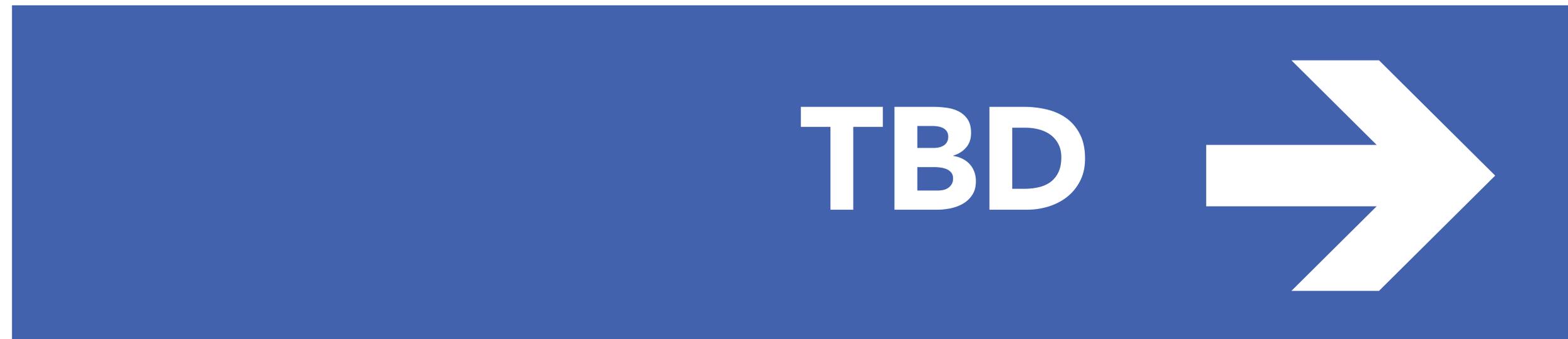
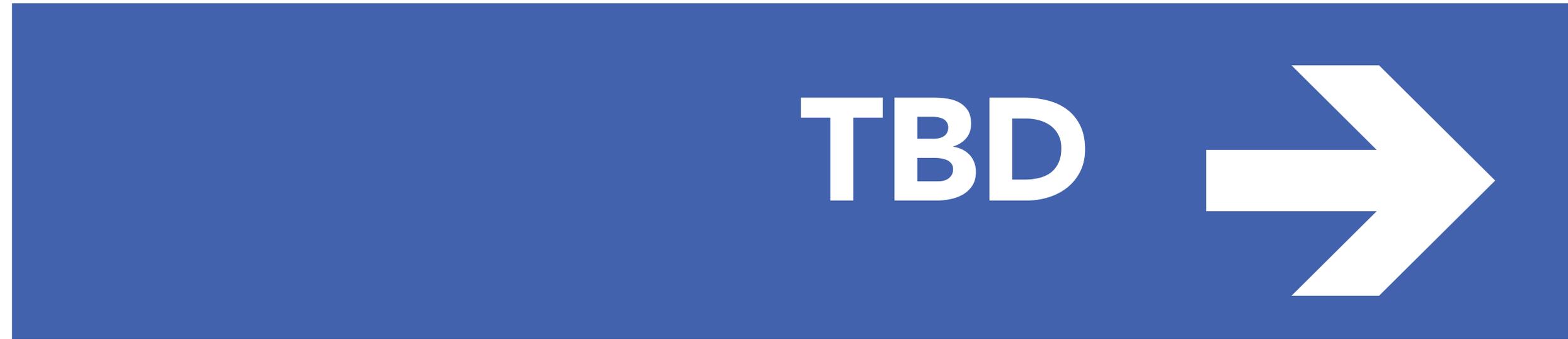
Emergency Contact/Site Superintendent:
John Rhynold (902) 209 4399 - jrhnold@marcogroup.ca





THE CARLTONS

1538 Carlton Street, Halifax, NS



**Emergency Contact/Site Superintendent:
John Rhynold (902) 209 4399 - jrhynold@marcogroup.ca**

EVENTIDE



APPENDIX H

Hazard Assessment

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Annual Comprehensive Hazard Assessment 2021

Work Activity (Critical Tasks)	Related Task	Hazards Present	Priority Rank A/B/C/D	Controls
<u>1. Working on Site</u>	Entering the Site	1. Personal Injury to Workers 2. Foot Injury 3. Eye Injury 4. Hand Injury 5. Dust 6. Ear Injury 7. Head Injury 8. Mobile Equipment and Site Traffic	A A A A A A A	1. Orientation to be completed to access site. a. Site access to be limited to authorized personnel within controlled areas. b. PPE required at all times. 2. CSA (Green Triangle) safety boots required. 3. CSA approved safety glasses required for tasks when flying/floating debris is possible. a. If in Newfoundland, CSA approved safety glasses required at all times on site. 4. Gloves where required. 5. Respiratory protection where required 6. Hearing protection where required. (>85db) a. Double hearing protection when required. (>105db) 7. CSA Standard – Z94.1 – Industrial Protective Headwear – Performance, Selection, Care and Use. 8. CSA - Reflector type safety vests required by all pedestrians on site. a. Use caution entering and leaving site. b. Do not block traffic. c. Establish traffic control measures (i.e. 10 km/hr & Stop signs where necessary).
	Movement Around Site	1. Trip Hazards	B	1. Continuous housekeeping

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<p><u>1. Working on Site</u></p>	<p>2. Poor Housekeeping</p>	<p>B</p>	<p>a. Workers to clean work areas at the end of task and day.</p>
	<p>3. Openings in Floors/Ground/Roof</p>	<p>A</p>	<p>2. Bins must not be overflowing.</p> <p>a. Wood debris must be transported to the local landfill for disposal.</p> <p>b. Entire area to be cleaned and left in a safe orderly manner at the end of the day</p> <p>c. Concrete debris to be separated, loaded and transported to an approved landfill for disposal.</p> <p>d. On-going clean-up and removal of garbage/debris.</p>
	<p>4. Poor Lighting</p>	<p>B</p>	<p>3. Openings to be identified and secured</p> <p>a. Guardrails must meet CSA Standard Z797 including a Top rail, mid-rail and toe-board.</p> <p>b. A hole or pit in floor, roof, or walkway or work area accessible to a worker shall be securely covered and identified.</p>
	<p>5. Medical or Fire Emergency</p>	<p>A</p>	<p>4. Adequate lighting and illumination to be provided as required by the OHS Regulations. (See Site Specific Hazard Assessment)</p>
			<p>5. Emergency response plans will be available for all jobs.</p> <p>a. Plans shall include site emergency contact numbers, and routes to the nearest hospital.</p> <p>b. The appropriate number of First-aid trained personnel on site shall be listed on the First Aiders list located on the Site Safety Board.</p> <p>c. First-aid kit locations shall be covered in orientation and available on site.</p> <p>d. Subcontractor SDS to be submitted prior to work on site.</p>

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<u>1. Working on Site</u>				e. Muster stations shall be established, identified with signage and communicated during orientation. (See Site Specific Hazard Assessment and Site Specific Safety Plan)
	Washroom Use	1. Unsanitary Washroom Facilities	Low	1. Provide washrooms adhering to the Provincial OHS Regulations.
	Manual Materials Handling	1. Musculoskeletal Injury	D	1. Designated laydown areas to be established with appropriate signage and barricades. a. Follow Marco SJP #003 – Manual Lifting b. Follow Marco SWP #036 – Back Injury Prevention c. Follow Marco SWP #018 – Proper Lifting Practices d. Follow Marco SWP #005 – Storage and Handling of Materials
	Driving to/on Site	1. Vehicle Collisions	A	1. Workers are to follow Marco Company Policy – Working Alone. a. When travelling long distances call office/reception to check in as per policy. b. Hands free system required for calls and messages only.
		2. Road Conditions	A	2. Regular maintenance and winter tires installed before first snowfall. a. Use hierarchy of controls and eliminate the requirement for driving if conditions are unsafe. b. Teleconference when possible.
3. Mobile Equipment		A	3. Maintain high-level of awareness while moving vehicles on site.	
Using Hand and Power Tools	1. Lacerations & Injuries Requiring First-Aid	A	1. All equipment guards must be in place as per manufacturer’s specifications. a. First-Aid Kit required on site	

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<p><u>2. Roof Work</u></p>		<p>2. Untrained, unfamiliar, broken, or otherwise improper use of tools.</p> <p>3. Musculoskeletal Injury</p>	<p>A</p> <p>B</p>	<p>b. Where gloves for protecting hands when using power tools.</p> <p>c. Eye glasses or Face shield required for tools which may produce spark or flying debris.</p> <p>2. All employees must have the related training applicable for all tools they will be required to handle prior to use.</p> <p>a. All tools must pass a pre-use inspection as per local OHS regulations.</p> <p>b. Follow Marco SJP and SWP related to material handling including:</p> <p>c. Marco SWP #026 – Hand Tools.</p> <p>d. Marco SWP #027 – Power Tools.</p> <p>e. Follow any tool specific SWP and SJP in the Marco Safety Program.</p> <p>3. Follow Marco SJP and SWP related to material handling including:</p> <p>a. Marco SJP #003 – Manual Lifting</p> <p>b. Follow Marco SWP #036 – Back Injury Prevention</p> <p>c. Follow Marco SWP #018 – Proper Lifting Practices</p> <p>d. Follow Marco SWP #005 – Storage and Handling of Materials</p>
<p><u>2. Roof Work</u></p>		<p>4. Damaged Extension Cords</p>	<p>A</p>	<p>4. CSA grade extension cords in good condition only.</p> <p>a. If a cord has cracks or breaks it must be repaired or disposed of.</p> <p>b. Ground prong required</p> <p>c. Cords to be inspected, maintained and repaired as needed.</p>

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<p><u>2. Roof Work</u></p>	<p>Miscellaneous Tasks (Pressure washing, Leaf Blowing, Controlled Products)</p>	<ol style="list-style-type: none"> 1. Poor Lighting 2. Slips, Trips and Falls 3. Personal Injury to Workers 4. Working at Heights 5. Inhalation/Absorption/Ingestion/Injection of Controlled Products 	<p>A</p> <p>B</p> <p>A</p> <p>A</p> <p>A</p>	<ol style="list-style-type: none"> 1. Adequate lighting and illumination to be provided as required by the OHS Regulations. (See Site Specific Hazard Assessment) 2. Area to be free of debris and clutter prior to starting any tasks and regularly cleaned as task progresses. <ol style="list-style-type: none"> a. CSA Certified (Green Triangle) Safety Boots with 6" ankle required on site. 3. Pre-use inspection of all tools and equipment prior to starting work. <ol style="list-style-type: none"> a. Ensure PPE is inspected, worn, and used as per manufacturer's recommendations and local legislation. b. Eye glasses or Face shield required for tools which may produce spark or flying debris. 4. Fall protection to be used as prescribed by the local OHS regulations. <ol style="list-style-type: none"> a. Fall protection Safe Work Plans and Procedures required prior to starting work at heights b. Rescue plans must be documented and communicated to workers at heights. 5. SDS Sheets to be reviewed prior to use of controlled products. <ol style="list-style-type: none"> a. All personnel on site are to have WHMIS 2015 (GHS) training. b. Appropriate PPE must be donned as per the SDS c. SDS Sheets must be as current as prescribed by the local provincial regulations
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<u>3. Steel Erection</u>	Crane Operation	1. Falling Debris & Crush Hazard	A	1. Never pass directly under a suspended load. a. Crane operator to take direction from only one spotter at a time unless hazard assessment dictates the need for multiple spotters for a safe landing.
	Working at Heights	1. Falls from Heights	A	1. Fall protection to be used as prescribed by the local OHS regulations. a. Fall protection Safe Work Plans and Procedures required prior to starting work at heights. b. Clearance calculations to be completed prior to work.
2. Inadequate Rescue Plans		A	2. Rescue plans must be documented and communicated to workers at heights.	
3. Falling Tools or Objects		A	3. Tools and materials shall be secured by tool lanyards, guard rails with toe boards, lower level control zones or other adequate means of protection.	
<u>3. Steel Erection</u>	Installation and Tying of Rebar	4. Inadequate Fall Protection	A	4. Pre-use inspection must be completed by the user of all fall-protection equipment. a. Recertification must be completed as per manufacturers' specifications.
		1. Exposed Rebar	A	1. Exposed rebar must be capped with plastic, wood, or metal to eliminate the potential for impalement.
		2. Musculoskeletal Injury	B	2. Use crane/machinery to lift rebar whenever possible. a. If manual handling is required use multiple workers to lift heavy rebar.
		3. Pinch/Crush Points	A	3. Be mindful of hand placement at all times when maneuvering rebar. a. Wear gloves when manipulating rebar.

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<p><u>4. Exterior Cladding Installation for Site</u></p> <p><u>4. Exterior Cladding Installation for Site</u></p>	<p>Working from Aerial Platforms</p>	<p>1. Machine Topple</p> <p>2. Untrained Workers</p> <p>3. Illegible Machine Controls</p> <p>4. Dropped Objects</p> <p>5. Workers Launched and Falls from Heights</p>	<p>A</p> <p>A</p> <p>D</p> <p>A</p> <p>A</p>	<p>1. Aerial Work Platforms to be set up and used as per manufacturer’s recommendations.</p> <p>a. If outriggers are equipped on machine they must be used if required by the manufacturer.</p> <p>2. No workers who have not received training on site shall be permitted to control the machine.</p> <p>3. Control panel and instrument cluster must remain visible.</p> <p>a. If control panel is illegible machine must be tagged out and repaired.</p> <p>4. Tools must be secured when being used outside the basket, or a control zone set up around the AWP to prevent unwanted pedestrian access</p> <p>a. AWP’s are not to be used to transport materials to and from worksite as a material lift.</p> <p>b. All workers on site are required to wear hard hats meeting criteria of CSA Standard – Z94.1.</p> <p>5. All workers piloting or riding in the AWP must use appropriate fall protection.</p> <p>a. Workers must not tie off to handrails, only using designated anchor points within the basket.</p>
	<p>Working From Scaffolding</p>	<p>1. Scaffold not Inspected</p> <p>2. Collapse</p>	<p>A</p> <p>A</p>	<p>1. Scaffolding to be inspected by a competent person daily prior to each use.</p> <p>2. A tagging system shall be utilized on site to efficiently communicate the status of the each scaffold tower.</p> <p>a. Green Tag – “Safe for Use” - Fully complete scaffolding with guardrails that meet the</p>

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<p><u>5. Masonry Work</u></p>				<p>criteria set out in CSA Standard Z797 – Code of Practice for Access Scaffolds.</p> <ul style="list-style-type: none"> b. Yellow Tag – “Caution: Potential or Unusual Hazard” – for incomplete scaffold or scaffold that could present a hazard to the worker. <ul style="list-style-type: none"> i. The nature of the hazard must be listed on the tag. c. Red Tag – “DANGER: DO NOT USE SCAFFOLD” – to be used when scaffold is left unattended during assembly or dismantling, or it has been deemed unfit for use. d. Scaffolding without a tag shall be classified as having a red tag, until the scaffolding can be inspected and appropriately tagged by a competent person.
<p><u>5. Masonry Work</u></p>	<p>Working at Heights</p>	<ul style="list-style-type: none"> 1. Falls from Heights 2. Dropped Objects 	<p>A</p> <p>A</p>	<ul style="list-style-type: none"> 1. Fall protection to be used as prescribed by the local OHS regulations. <ul style="list-style-type: none"> a. Fall protection Safe Work Plans and Procedures required prior to starting work at heights. b. Clearance calculations to be completed prior to work. 2. Tools must be secured when being used outside the scaffolding surface areas. <ul style="list-style-type: none"> a. Guardrails should include toe boards whenever possible to help prevent objects from unexpectedly leaving the work level. b. If guardrail toe boards and tool lanyards cannot be used a red tape and tag control

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				<p>zone must be set up below the work area to prevent any unwanted pedestrian access.</p> <p>c. All workers on site are required to wear hard hats meeting criteria of CSA Standard – Z94.1.</p>
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5. Masonry Work	Working from Aerial Platforms	<ol style="list-style-type: none"> 1. Machine Topple 2. Untrained Workers 3. Illegible Machine Controls 4. Dropped Objects 5. Workers Launched and Falls from Heights 	<p>A</p> <p>A</p> <p>D</p> <p>A</p> <p>A</p>	<ol style="list-style-type: none"> 1. Aerial Work Platforms to be set up and used as per manufacturer’s recommendations. <ol style="list-style-type: none"> a. If outriggers are equipped on machine they must be used if required by the manufacturer. 2. No workers who have not received training on site shall be permitted to control the machine. 3. Control panel and instrument cluster must remain visible. <ol style="list-style-type: none"> a. If control panel is illegible machine must be tagged out and repaired. 4. Tools must be secured when being used outside the basket, or a control zone set up around the AWP to prevent unwanted pedestrian access <ol style="list-style-type: none"> a. AWP’s are not to be used to transport materials to and from worksite as a material lift. b. All workers on site are required to wear hard hats meeting criteria of CSA Standard – Z94.1. 5. All workers piloting or riding in the AWP must use appropriate fall protection. <ol style="list-style-type: none"> a. Workers must not tie off to handrails, only using designated anchor points within the basket.
	Using Hand and Power Tools	<ol style="list-style-type: none"> 1. Lacerations & Injuries Requiring First-Aid 	A	<ol style="list-style-type: none"> 1. All equipment guards must be in place as per manufacturer’s specifications. <ol style="list-style-type: none"> a. First-Aid Kit required on site

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5. Masonry Work		<p>2. Untrained, unfamiliar, broken, or otherwise improper use of tools.</p> <p>3. Electrical Shock</p>	<p>A</p> <p>A</p>	<p>b. Where gloves for protecting hands when using power tools.</p> <p>c. Eye glasses or Face shield required for tools which may produce spark or flying debris.</p> <p>2. All employees must have the related training applicable for all tools they will be required to handle prior to use.</p> <p>a. All tools must pass a pre-use inspection as per local OHS regulations.</p> <p>b. Follow Marco SJP and SWP related to material handling including:</p> <p>c. Marco SWP for Hand Tools.</p> <p>d. Marco SWP for Power Tools.</p> <p>e. Follow any tool specific SWP and SJP in the Marco Safety Program.</p> <p>3. CSA grade extension cords in good condition with functioning GFCI only.</p> <p>a. No cracks or breaks in cord</p> <p>b. Ground prong required</p> <p>c. Cords to be inspected, maintained and repaired as needed.</p>
	Lifting and Pedestrian Travel with Materials	1. Musculoskeletal Injury	B	<p>1. Follow Marco SJP and SWP related to material handling including:</p> <p>a. Marco SJP for Manual Lifting</p> <p>b. Follow Marco SWP for Back Injury Prevention</p> <p>c. Follow Marco SWP for Proper Lifting Practices</p> <p>d. Follow Marco SWP for Storage and Handling of Materials</p> <p>e. Use ergonomic lifting aids, machinery, or partner whenever possible.</p>

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<p><u>5. Masonry Work</u></p>		<p>2. Slips, Trips and Falls</p>	<p>B</p>	<p>2. Area to be free of debris and clutter prior to starting any tasks and regularly cleaned as task progresses.</p> <ul style="list-style-type: none"> a. CSA Certified (Green Triangle) Safety Boots with 6" ankle required on site. b. Perform a walk down of the path of travel for materials prior to carrying any materials that may obscure vision. c. Designated lay-down area to be established for materials.
<p><u>6. Electrical Work</u></p>	<p>Working around High Voltage</p>	<p>1. Energized Lines & Electrocutation</p> <p>2. Untrained Workers</p> <p>3. Buried Services</p>	<p>A</p> <p>A</p> <p>A</p>	<p>1. Refer to local utility provider for clearance distances required for nearby powerlines.</p> <ul style="list-style-type: none"> a. Follow Marco SJP for Lock Out Tag Out b. Procedures must be coordinated by trained electrical personnel. <p>2. Provincial training requirements must be met for the province in which the line is located prior to working on or near power lines.</p> <ul style="list-style-type: none"> a. Only certified electricians to perform work on power lines and power supplies. <p>3. Locates must be requested through the local utility providers prior to digging in an area where buried services may be present.</p>
<p><u>7. Steel Stud and Gypsum Board Installation</u></p>	<p>Using Hand and Power Tools</p>	<p>1. Lacerations & Injuries Requiring First-Aid</p> <p>2. Untrained, unfamiliar, broken, or otherwise improper use of tools.</p>	<p>A</p> <p>A</p>	<p>1. All equipment guards must be in place as per manufacturer's specifications.</p> <ul style="list-style-type: none"> a. First-Aid Kit required on site b. Where gloves for protecting hands when using power tools. c. Safety glasses and/or Face shield required for tools which may produce spark or flying debris.

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<p><u>7. Steel Stud and Gypsum Board Installation</u></p>		<p>3. Electrical Shock</p> <p>4. Dust</p>	<p>A</p> <p>A</p>	<p>2. All employees must have the related training applicable for all tools they will be required to handle prior to use.</p> <ul style="list-style-type: none"> a. All tools must pass a pre-use inspection as per local OHS regulations. b. Follow Marco SJP and SWP related to material handling including: c. Marco SWP for Hand Tools. d. Marco SWP for Power Tools. e. Follow any tool specific SWP and SJP in the Marco Safety Program. <p>3. CSA grade extension cords in good condition with functioning GFCI only.</p> <ul style="list-style-type: none"> a. No cracks or breaks in cord b. Ground prong required c. Cords to be inspected, maintained and repaired as needed. <p>4. Respiratory protection where required.</p>
	<p>Manual Lifting</p>	<p>1. Musculoskeletal Injury</p> <p>2. Slips, Trips and Falls</p>	<p>B</p> <p>B</p>	<p>1. Follow Marco SJP and SWP related to material handling including:</p> <ul style="list-style-type: none"> a. Marco SJP for Manual Lifting b. Follow Marco SWP for Back Injury Prevention c. Follow Marco SWP for Proper Lifting Practices d. Follow Marco SWP for Storage and Handling of Materials e. Use ergonomic lifting aids, machinery, or partner whenever possible. <p>2. Area to be free of debris and clutter prior to starting any tasks and regularly cleaned as task progresses.</p>

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<p><u>7. Steel Stud and Gypsum Board Installation</u></p>				<ul style="list-style-type: none"> a. CSA Certified (Green Triangle) Safety Boots with 6” ankle required on site. b. Perform a walk down of the path of travel for materials prior to carrying any materials that may obscure vision. c. Designated lay-down area to be established for materials.
<p><u>8. Carpentry Work and Concrete Formwork</u></p>	<p>Using Hand and Power Tools</p>	<ul style="list-style-type: none"> 1. Lacerations & Injuries Requiring First-Aid 2. Untrained, unfamiliar, broken, or otherwise improper use of tools. 3. Electrical Shock 4. Dust 	<ul style="list-style-type: none"> A A A A 	<ul style="list-style-type: none"> 1. All equipment guards must be in place as per manufacturer’s specifications. <ul style="list-style-type: none"> a. First-Aid Kit required on site b. Where gloves for protecting hands when using power tools. c. Safety glasses or Face shield required for tools which may produce spark or flying debris. 2. All employees must have the related training applicable for all tools they will be required to handle prior to use. <ul style="list-style-type: none"> a. All tools must pass a pre-use inspection as per local OHS regulations. b. Follow Marco SJP and SWP related to material handling including: <ul style="list-style-type: none"> c. Marco SWP for Hand Tools. d. Marco SWP for Power Tools. e. Follow any tool specific SWP and SJP in the Marco Safety Program. 3. CSA grade extension cords in good condition with functioning GFCI only. <ul style="list-style-type: none"> a. No cracks or breaks in cord b. Ground prong required c. Cords to be inspected, maintained and repaired as needed. 4. Respiratory protection where required.

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<u>8. Carpentry Work and Concrete Formwork</u>	General Labour	1. Musculoskeletal Injury	B	1. Follow Marco SJP and SWP related to material handling including: <ol style="list-style-type: none"> a. Marco SJP for Manual Lifting b. Follow Marco SWP for Back Injury Prevention c. Follow Marco SWP for Proper Lifting Practices d. Follow Marco SWP for Storage and Handling of Materials e. Use ergonomic lifting aids, machinery, or partner whenever possible.
		2. Slips, Trips and Falls	B	2. Area to be free of debris and clutter prior to starting any tasks and regularly cleaned as task progresses. <ol style="list-style-type: none"> a. CSA Certified (Green Triangle) Safety Boots with 6" ankle required on site. b. Perform a walk down of the path of travel for materials prior to carrying any materials that may obscure vision. c. Designated lay-down area to be established for materials.
	General Labour	3. Poor Lighting	A	3. Ensure proper task lighting is present. <ol style="list-style-type: none"> a. Ensure lighting is CSA approved with proper guards and cords which are in good condition. b. Unplug when not in-use, on break, and at the end of your shift.
		4. Exposed Rebar	A	4. Exposed rebar must be capped with plastic, wood, or metal to eliminate the potential for impalement.
		5. Trench and Excavation Work	A	5. Refer to local OHS legislation to dictate level of protection required at depths of excavation or trench.

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<p><u>8. Carpentry Work and Concrete Formwork</u></p>	<p>Working at Heights & Installing Roofing Components</p>	<p>1. Working/Falling from Heights</p> <p>2. Inadequate Rescue Plans</p> <p>3. Falling Tools or Objects</p> <p>4. Inadequate Rescue Plans</p> <p>5. Inadequate Fall Protection</p>	<p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p>	<p>1. Assemble as much material as possible on the ground level before working at heights.</p> <p>a. Fall protection to be used as prescribed by the local OHS regulations.</p> <p>b. Fall protection Safe Work Plans and Procedures required prior to starting work at heights.</p> <p>c. Clearance calculations to be completed prior to work.</p> <p>2. Tools must be secured when being used outside the scaffolding surface areas.</p> <p>a. Guardrails should include toe boards whenever possible to help prevent objects from unexpectedly leaving the work level.</p> <p>b. If guardrail toe boards and tool lanyards cannot be used a red tape and tag control zone must be set up below the work area to prevent any unwanted pedestrian access.</p> <p>c. All workers on site are required to wear hard hats meeting criteria of CSA Standard – Z94.1.</p> <p>3. Tools and materials shall be secured by tool lanyards, guard rails with toe boards, lower level control zones or other adequate means of protection.</p> <p>4. Rescue plans must be documented and communicated to workers at heights.</p> <p>5. Pre-use inspection must be completed by the user of all fall-protection equipment.</p> <p>a. Recertification must be completed as per manufacturers’ specifications.</p>
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<u>8. Carpentry Work and Concrete Formwork</u>	Working from Scaffolding	<ol style="list-style-type: none"> 1. Scaffold not Inspected 2. Collapse 	<p>A</p> <p>A</p>	<ol style="list-style-type: none"> 1. Scaffolding to be inspected by a competent person daily prior to each use. 2. A tagging system shall be utilized on site to efficiently communicate the status of the each scaffold tower. <ol style="list-style-type: none"> a. Green Tag – “Safe for Use” - Fully complete scaffolding with guardrails that meet the criteria set out in CSA Standard Z797 – Code of Practice for Access Scaffolds. b. Yellow Tag – “Caution: Potential or Unusual Hazard” – for incomplete scaffold or scaffold that could present a hazard to the worker. <ol style="list-style-type: none"> i. The nature of the hazard must be listed on the tag. c. Red Tag – “DANGER: DO NOT USE SCAFFOLD” – to be used when scaffold is left unattended during assembly or dismantling, or it has been deemed unfit for use. d. Scaffolding without a tag shall be classified as having a red tag, until the scaffolding can be inspected and appropriately tagged by a competent person.
	Working from Scaffolding			
	Working from Aerial Platforms	<ol style="list-style-type: none"> 1. Machine Topple 2. Untrained Workers 3. Illegible Machine Controls 	<p>A</p> <p>A</p> <p>D</p>	<ol style="list-style-type: none"> 1. Aerial Work Platforms to be set up and used as per manufacturer’s recommendations. <ol style="list-style-type: none"> a. If outriggers are equipped on machine they must be used if required by the manufacturer. 2. No workers who have not received training on site shall be permitted to control the machine. 3. Control panel and instrument cluster must remain visible.

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<p><u>8. Carpentry Work and Concrete Formwork</u></p>	<p>Working from Aerial Platforms</p>	<p>4. Dropped Objects</p>	<p>A</p>	<p>a. If control panel is illegible machine must be tagged out and repaired.</p> <p>4. Tools must be secured when being used outside the basket, or a control zone set up around the AWP to prevent unwanted pedestrian access</p> <p>a. AWP's are not to be used to transport materials to and from worksite as a material lift.</p> <p>b. All workers on site are required to wear hard hats meeting criteria of CSA Standard – Z94.1.</p>
		<p>5. Workers Launched and Falls from Heights</p>	<p>A</p>	<p>5. All workers piloting or riding in the AWP must use appropriate fall protection.</p> <p>a. Workers must not tie off to handrails, only using designated anchor points within the basket.</p>
	<p>Caulking/Gluing (Use of Controlled Products)</p>	<p>1. Inhalation/Absorption/Ingestion/Injection of Controlled Products.</p>	<p>A</p>	<p>1. SDS Sheets to be reviewed prior to use of controlled products.</p> <p>a. All personnel on site are to have WHMIS 2015 (GHS) training.</p> <p>b. Appropriate PPE must be donned as per the SDS.</p> <p>c. SDS Sheets must be as current as prescribed by the local provincial regulations.</p>
		<p>2. Fire/Explosion caused by use of controlled products.</p>	<p>A</p>	<p>2. Review of SDS to ensure proper fire fighting and ventilation requirements are met prior to application.</p> <p>a. Marco Safety boards will be strategically placed around site and will include:</p> <p>i. Air horn</p> <p>ii. Fire Extinguisher</p> <p>iii. Eye Wash</p>

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				iv. Emergency Contact Numbers
<u>9. Site Civil Work/Excavation</u>	Heavy Equipment Operation	1. Equipment Failure/Malfunction	A	1. Pre-use inspection of all equipment must be completed by competent operator. a. If machine is found to have any defects it must be tagged out of service and repaired by a competent mechanic.
		2. Collision with pedestrian or other equipment.	A	2. Use spotter when visibility is limited and/or reduced. a. Operators to be properly trained and aware of surroundings and site. b. CSA - Reflector type safety vests required by all pedestrians on site. c. All heavy equipment to be equipped with a audible backup alarm.
<u>9. Site Civil Work/Excavation</u>	Heavy Equipment Operation	3. Overhead/Buried Utilities	A	3. Locates and clearance distances to be obtained from the local utility providers prior to working near above ground power lines or areas where utilities may be buried in the area. a. Spotters to be used when forced to work near exposed utilities.
		4. Poor Ground Conditions	B	4. Pre-job walk down required of path of travel to ensure ground conditions are suitable for travel. a. Operators are to ensure loads are balanced prior to travel.
		5. Dust	A	5. Dust suppression as required (See Site Specific Hazard Assessment)
	Refueling of Equipment	1. Environmental Spills	A	1. Erosion and sediment control plan where required. a. Spill kits shall be located on site.
		2. Exposure to Fuel	A	2. All workers to have WHMIS 2015 (GHS) training a. SDS required for all controlled products on site.

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<u>9. Site Civil Work/Excavation</u>		3. Fire/Explosion	A	3. All equipment must be equipped with fire extinguisher.
	Trenching & Excavation	1. Collapse of Excavation	A	1. Refer to local OHS legislation to dictate level of protection required at depths of excavation or trench.
		2. Overhead/Buried Utilities	A	2. Locates and clearance distances to be obtained from the local utility providers prior to working near above ground power lines or areas where utilities may be buried in the area. a. Spotters to be used when forced to work near exposed utilities.
<u>10. Mechanical Work</u>	Confined Space Work	1. Limited Access and Egress	A	1. All Confined Space Work shall follow Marco SJP for Confined Space.
		2. Inadequate Rescue Plan	A	2. A Confined Space specific rescue plan will be developed in conjunction with a hazard assessment of the area to be entered. a. Rescue plans are to be reviewed with all entrants, supervision, and man-watch personnel prior to entry.
	3. Hazardous Atmosphere	A	3. Atmospheric testing will be conducted by a competent person with calibrated instruments. a. At the very least tests must be completed: i. Prior to initial entry ii. After break or interruption in work where the space was left unattended iii. Any time conditions change. b. Respiratory protection shall be chosen based on the hazard assessment and atmospheric testing results.	
		1. Lacerations & Injuries Requiring First-Aid	A	1. All equipment guards must be in place as per manufacturer's specifications. a. First-Aid Kit required on site

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<u>10. Mechanical Work</u>	Using Hand and Power Tools	<ol style="list-style-type: none"> 2. Untrained, unfamiliar, broken, or otherwise improper use of tools. 	A	<ol style="list-style-type: none"> b. Where gloves for protecting hands when using power tools. c. Safety glasses and/or Face shield required for tools which may produce spark or flying debris. <ol style="list-style-type: none"> 2. All employees must have the related training applicable for all tools they will be required to handle prior to use. <ol style="list-style-type: none"> a. All tools must pass a pre-use inspection as per local OHS regulations. b. Follow Marco SJP and SWP related to material handling including: c. Marco SWP for Hand Tools. d. Marco SWP for Power Tools. e. Follow any tool specific SWP and SJP in the Marco Safety Program.
	Using Hand and Power Tools	<ol style="list-style-type: none"> 3. Electrical Shock 	A	<ol style="list-style-type: none"> 3. CSA grade extension cords in good condition with functioning GFCI only. <ol style="list-style-type: none"> a. No cracks or breaks in cord b. Ground prong required c. Cords to be inspected, maintained and repaired as needed.
		<ol style="list-style-type: none"> 4. Dust 	A	<ol style="list-style-type: none"> 4. Respiratory protection where required.
	Working in Conjunction with Heavy Equipment	<ol style="list-style-type: none"> 1. Equipment Failure/Malfunction 2. Collision with pedestrian or other equipment. 	A	<ol style="list-style-type: none"> 1. Pre-use inspection of all equipment must be completed by competent operator. <ol style="list-style-type: none"> a. If machine is found to have any defects it must be tagged out of service and repaired by a competent mechanic. 2. Use spotter when visibility is limited and/or reduced. <ol style="list-style-type: none"> a. Operators to be properly trained and aware of surroundings and site.

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<p><u>10. Mechanical Work</u></p>	<p>Working in Conjunction with Heavy Equipment</p>	<p>3. Crush/Pinch points</p> <p>4. Lifting Equipment Failure</p>	<p>A</p> <p>A</p>	<p>b. CSA - Reflector type safety vests required by all pedestrians on site.</p> <p>c. All heavy equipment shall be equipped with a audible backup alarm.</p> <p>3. A control zone shall be set up around any suspended mechanical components to prevent unwanted pedestrian access.</p> <p>a. Be mindful of hand placement at all times when maneuvering mechanical components or aggressively cranking tools.</p> <p>b. Equipment shall only move mechanical components at the direction of the designated spotter.</p> <p>4. All rigging and hoisting equipment shall be pre-use inspected by a competent rigger and certified as per the manufacturers specifications.</p> <p>a. Suspended loads that are not fastened shall be blocked in place if work needs to take place near or around them.</p>
<p><u>11. Working Alone</u></p>	<p>Driving</p>	<p>1. Travelling Long Distances Alone</p> <p>2. Road Conditions</p>	<p>A</p> <p>A</p>	<p>1. Workers are to follow Marco Company Policy for Working Alone.</p> <p>a. When travelling long distances call office/reception to check in as per policy.</p> <p>b. Hands free system required for calls and messages only.</p> <p>2. Regular maintenance and winter tires installed before first snowfall.</p> <p>a. Use hierarchy of controls and eliminate the requirement for driving if conditions are unsafe.</p> <p>b. Teleconference when possible.</p>

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<u>11. Working Alone</u>	Using Hand and Power Tools	1. Lacerations & Injuries Requiring First-Aid 2. Untrained, unfamiliar, broken, or otherwise improper use of tools. 3. Electrical Shock 4. Dust	A A A A	1. All equipment guards must be in place as per manufacturer’s specifications. <ol style="list-style-type: none"> a. First-Aid Kit required on site b. Where gloves for protecting hands when using power tools. c. Eye glasses or Face shield required for tools which may produce spark or flying debris. 2. All employees must have the related training applicable for all tools they will be required to handle prior to use. <ol style="list-style-type: none"> a. All tools must pass a pre-use inspection as per local OHS regulations. b. Follow Marco SJP and SWP related to material handling including: c. Marco SWP for Hand Tools. d. Marco SWP for Power Tools. e. Follow any tool specific SWP and SJP in the Marco Safety Program. 3. CSA grade extension cords in good condition with functioning GFCI only. <ol style="list-style-type: none"> a. No cracks or breaks in cord b. Ground prong required c. Cords to be inspected, maintained and repaired as needed. 4. Respiratory protection where required.
	General Labour	1. Musculoskeletal Injury	B	1. Follow Marco SJP and SWP related to material handling including: <ol style="list-style-type: none"> a. Marco SJP for Manual Lifting b. Follow Marco SWP for Back Injury Prevention c. Follow Marco SWP for Proper Lifting Practices

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<p><u>11. Working Alone</u></p>	<p>General Labour</p>	<p>2. Slips, Trips and Falls</p> <p>3. Poor Lighting</p> <p>4. Exposed Rebar</p>	<p>B</p> <p>A</p> <p>A</p>	<p>d. Follow Marco SWP for Storage and Handling of Materials</p> <p>e. Use ergonomic lifting aids, machinery, or partner whenever possible.</p> <p>2. Area to be free of debris and clutter prior to starting any tasks and regularly cleaned as task progresses.</p> <p>a. CSA Certified (Green Triangle) Safety Boots with 6" ankle required on site.</p> <p>b. Perform a walk down of the path of travel for materials prior to carrying any materials that may obscure vision.</p> <p>c. Designated lay-down area to be established for materials.</p> <p>3. Ensure proper task lighting is present.</p> <p>a. Ensure lighting is CSA approved with proper guards and cords which are in good condition.</p> <p>b. Unplug when not in-use, on break, and at the end of your shift.</p> <p>4. Exposed rebar must be capped with plastic, wood, or metal to eliminate the potential for impalement.</p>
<p><u>12. Office Work</u></p>	<p>Computer Use</p>	<p>1. Musculoskeletal or Repetitive Stress Injuries</p> <p>2. Prolonged Seated Postures</p>	<p>B</p> <p>D</p>	<p>1. Follow Marco SWP for Office Safety</p> <p>a. Every hour workers should get up from their desk and walk around for about 10 minutes.</p> <p>b. Perform gentle stretches on hands, back, neck and legs after being seated for an extended period.</p> <p>2. Increase standing time whenever possible.</p> <p>a. Use the following guidelines when choosing a proper chair:</p>

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<u>12. Office Work</u>	Computer Use	<ul style="list-style-type: none"> 3. Eye Strain 4. Housekeeping 5. Congested Work Area 	<ul style="list-style-type: none"> C B B 	<ul style="list-style-type: none"> i. Feet on the floor ii. Knees should be slightly above the seat. iii. Keyboards should be placed at a comfortable level, even with your elbow when arm is hanging freely. iv. Monitors should be placed at a 90° angle to light sources. v. Pregnant women should consult with their doctor about using a monitor during their pregnancy. <ul style="list-style-type: none"> 3. Every hour workers should focus on something other than a screen or small font for approximately 10 minutes. 4. Employees are responsible for keeping their individual work areas clean and orderly. 5. Ensure area is clear for use with mouse and keyboard. <ul style="list-style-type: none"> a. Keep computer cables neat and orderly and out of the aisles.
	Manual Lifting	<ul style="list-style-type: none"> 1. Musculoskeletal Injury 	<ul style="list-style-type: none"> B 	<ul style="list-style-type: none"> 1. Follow Marco SJP and SWP related to material handling including: <ul style="list-style-type: none"> a. Marco SJP for Manual Lifting b. Follow Marco SWP for Back Injury Prevention c. Follow Marco SWP for Proper Lifting Practices d. Follow Marco SWP for Storage and Handling of Materials e. Use ergonomic lifting aids, machinery, or partner whenever possible.

MARCO

<u>12. Office Work</u>		2. Slips, Trips and Falls	B	2. Area to be free of debris and clutter prior to starting any tasks and regularly cleaned as task progresses. <ol style="list-style-type: none"> a. Perform a walk down of the path of travel for materials prior to carrying any materials that may obscure vision. b. Designated lay-down area to be established for materials.
	Cutting using Sharp Edged Tools	1. Lacerations & Injuries Requiring First-Aid	A	1. All cuts should be made away from body in direction. <ol style="list-style-type: none"> a. First-Aid Kit required on site. b. Use safety knives with self-retracting blades when possible.
	Shredder Use	1. Jammed Machine	B	1. Follow Marco SJP for Lock Out Tag Out. <ol style="list-style-type: none"> a. Ensure machine is off and unplugged prior to removing jam with hands.
<u>13. Harassment & Workplace Violence</u>	Working Near Public Areas	1. Contact with General Public	C	1. All employees must review and understand the Marco Harassment Policy and take proper steps to ensure a positive relationship with the public. 2. De-escalate or leave any high risk situations. <ol style="list-style-type: none"> a. Report any situations to supervision immediately. b. If worker feels they are in immediate danger, phone 911.
		2. Assault or Harassment from General Public	A	
	Working in Congested Areas with Other Trades	1. High Stress Environment	B	1. Avoid working in crowded areas. <ol style="list-style-type: none"> a. Stagger tasks if possible if they overlap work areas. b. Take micro-breaks to allow others gain space and change work area.

MARCO

<p><u>14. COVID-19 Exposure</u></p>	<p>All Tasks</p>	<p>1. Unexpected or Sick personnel entering site or Office</p> <p>2. General Hygiene</p> <p>3. Employees Working in Close Proximity</p>	<p>A</p> <p>A</p> <p>A</p>	<p>1. COVID-19 screening by each contractor daily when signing in workers confirming they will not be permitted on site with two or more symptoms.</p> <ol style="list-style-type: none"> All Personnel shall self assess prior to coming to work. Site entrances shall be assessed to determine whether additional signage may be required on a case by case basis. Site access/gates shall be restricted to essential deliveries and pick-ups only. Limited points of entry will be established to ensure organized access to site. All employees are to stay home from work if feeling unwell or exhibiting any potential symptoms of COVID-19. <p>2. Handwashing Stations shall be provided on site.</p> <ol style="list-style-type: none"> Hand Sanitizing Stations shall be installed at various points on the project footprint (as they become available) Workers will be encouraged to wash hands as frequently as possible as per public health guidelines. Avoid touching your face, eyes, nose and mouth. Coughs and sneeze with tissues or into your sleeve. Workers shall not share tools and food/drink. <p>3. As per the Marco Site Response Plan all personnel on site must abide by the 2-meter social distancing rule. If a task cannot be</p>
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MARCO

<p><u>14. COVID-19 Exposure</u></p>	<p>All Tasks</p>	<p>4. Employees Meeting in Constricted Areas</p> <p>5. Site Personnel testing Positive for COVID-19</p> <p>6. Changing or Unclear Regulations and Guidelines</p>	<p>A</p> <p>A</p> <p>A</p>	<p>completed without two workers coming within 2 meters of each other:</p> <ol style="list-style-type: none"> a. The task must be pre-planned and organized so that the workers must not be within 2 meters of each other or; b. Workers must wear an approved facemask as described by the government of Canada and outlined in the Marco COVID-19 Site Response Plan. <p>4. Meetings will be conducted via phone or video conferencing whenever possible.</p> <ol style="list-style-type: none"> a. If a meeting is to take place on site the can only occur when the 2 meter social distancing requirement can be adhered to. b. Whenever possible a meeting shall be conducted by conference call or other means. <p>5. In the event a worker tests positive for coronavirus:</p> <ol style="list-style-type: none"> a. Marco’s Site Superintendent will immediately contact the local public health authority and implement the required measures. b. The infected worker will not be permitted back to the site until they provide information that they can no longer transmit the virus to the others and they are cleared by the Provincial Health Authority to return to work. <p>6. These measures shall be used in conjunction with the latest version of the Marco Group COVID-19 Site Response Plan and are subject to</p>
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Marco Group
 135 Ilsley Avenue
 Dartmouth , Nova Scotia B3B 1T1

Marco Superintendent Weekly Safety Inspection

TYPE: Safety

TRADE:

DESCRIPTION:

Weekly Site Safety Inspection for Marco Superintendents

ATTACHMENTS:

Untitled Section

1.1	List of Trades on Site:
1.2	Number of Workers on Site:

General Site Requirements

2.1	All employees wearing proper PPE
2.2	Emergency #'s posted, emergency exits marked and sufficient
2.3	Facilities (washrooms, clean areas, etc)
2.4	Fire Extinguishers - Good order, adequate # and location
2.5	First Aid Kits - stocked, available
2.6	Eye Wash Stations - available, mounted, filled, not expired
2.7	Site Secure - signage, special warnings, caution/danger tape
2.8	Paperwork - hazard assessments, toolbox talks, inspections, etc

Fall Protection & Access

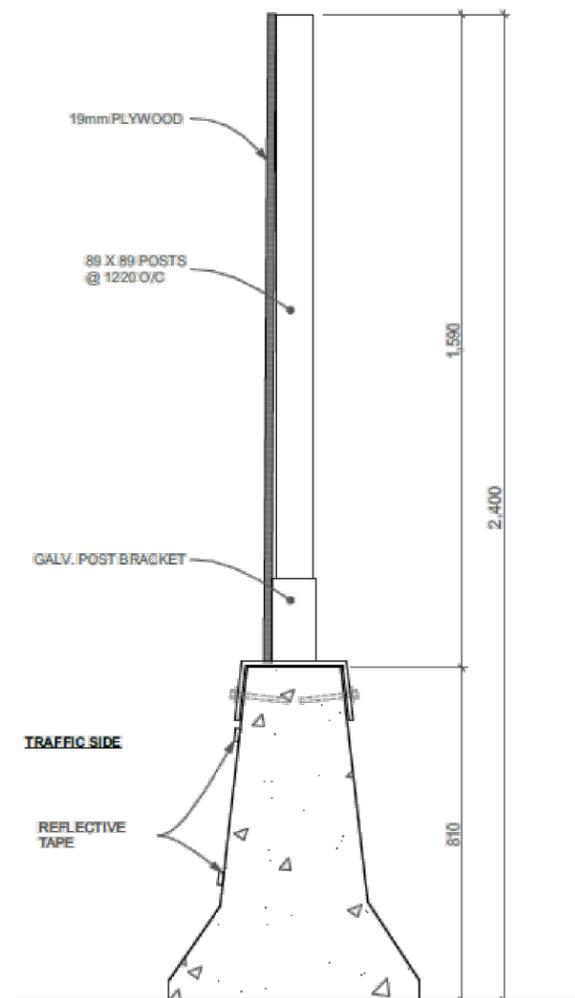
3.1	Ladders/Stairs/Steps - sufficient, used properly, in good condition
3.2	Scaffolding/Temporary Floors - inspected, in good condition
3.3	Fall Protection - used where required, in good condition
3.4	Guardrails, Railings - top-rail, mid-rail, toeboards
3.5	Openings in Floor/Roof/Ground - covered, secured

Field Work Conditions

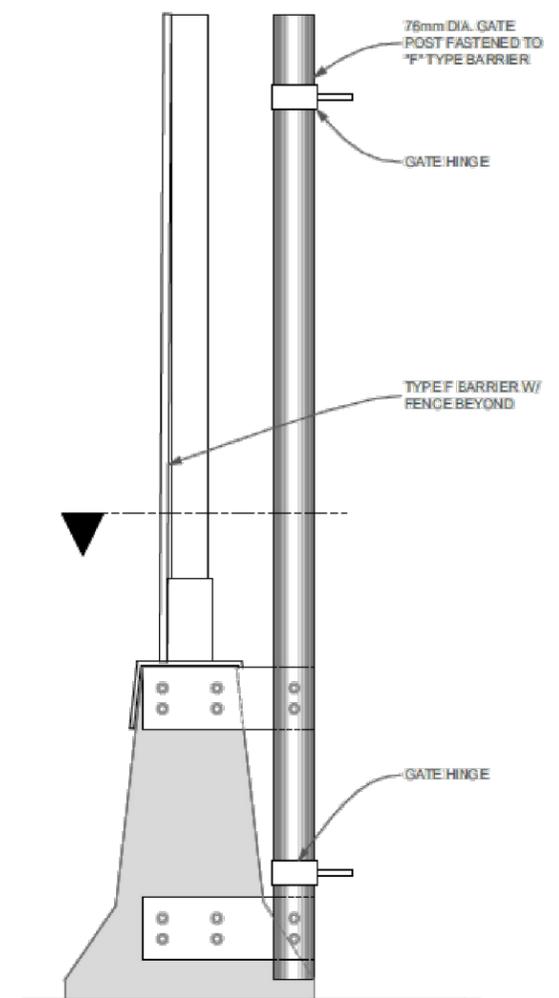
4.1	Housekeeping - garbage, debris, tools, materials, etc
4.2	Storage Areas - in good order, materials handled properly
4.3	Compressed Gas Cylinders - secured upright in proper location
4.4	Electrical Equipment - cords, panels, tools, GFCI in good condition
4.5	Confined Space - procedures being followed
4.6	Welding/Cutting Equipment - used properly
4.7	Excavations/Trenches - shored, sloped, setup properly
4.8	Lock-Out/Tag-Out - procedures being followed
4.9	Hazardous Corners - protrusions, pinch points guarded
4.10	Cranes/Heavy Equipment - inspected, setup properly, documentation in place
4.11	Environmental Hazards - air quality, noise, vibration
4.12	Ergonomic Hazards - lighting, lifting, working postures, etc.
4.13	Other:

APPENDIX I

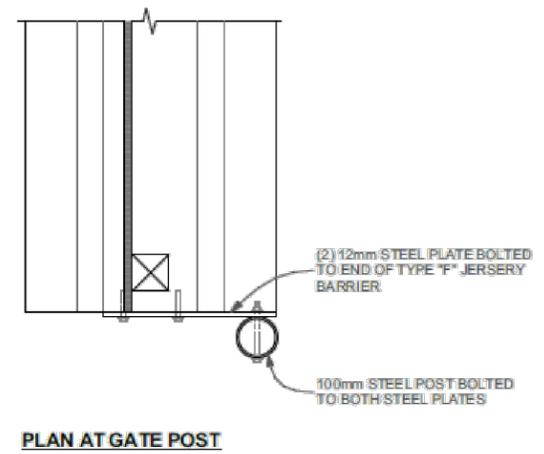
Fence covering & F-shape barrier Spec.



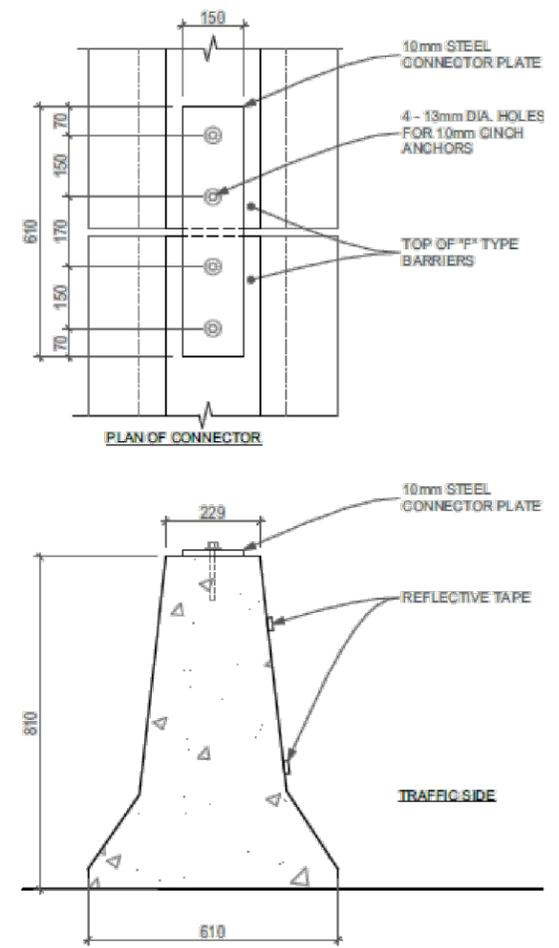
2 F TYPE BARRIER WITH FENCE
HRM-10 SCALE: 1:10



3 GATE POST CONNECTION TO F TYPE BARRIER
HRM-10 SCALE: 1:10



PLAN AT GATE POST



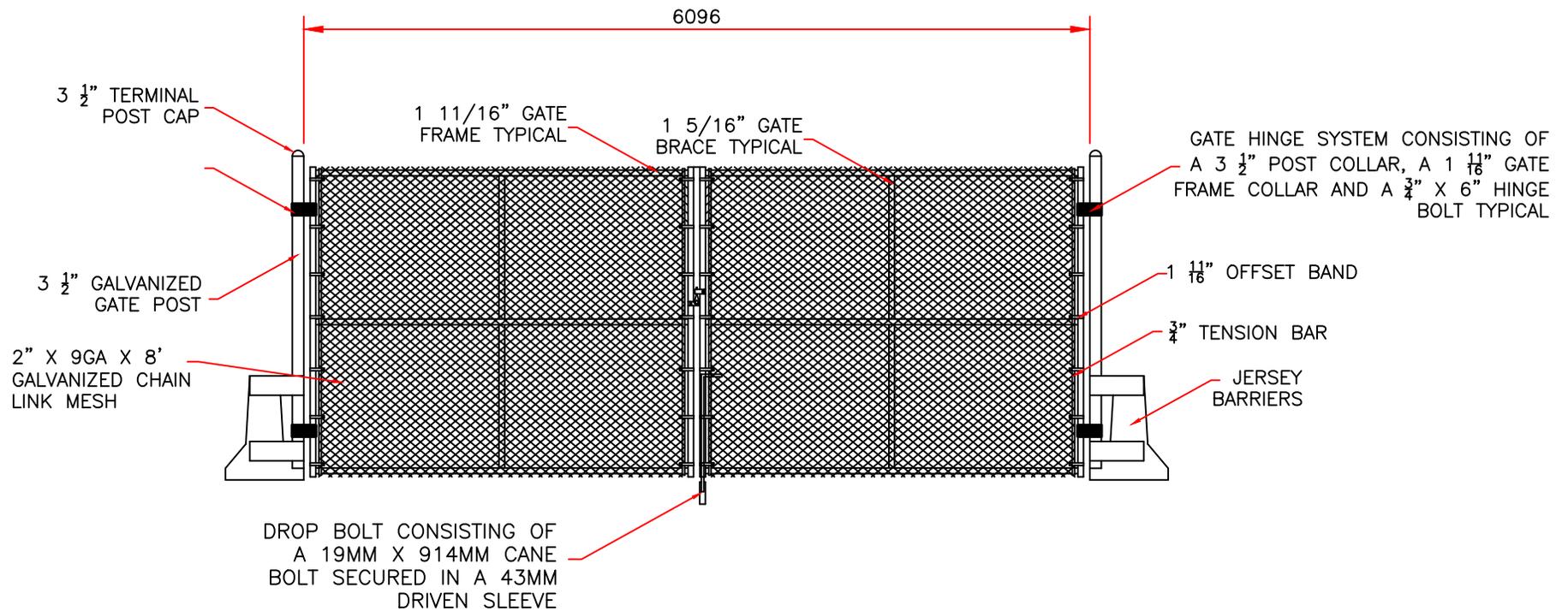
4 TYPICAL F TYPE BARRIER
HRM-10 SCALE: 1:10

Sani Engineering Limited
79 Thorne Avenue
Dartmouth, Nova Scotia
B3B 0M4

Tel: (902) 482-1009
Web: www.saniengineering.com

No.	DESCRIPTION	DATE	NO.	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION				

STAMP	DRAWING NORTH	PROJECT	DWG TITLE	SCALE	DATE
			BARRIER DETAILS	AS NOTED	
CLIENT	PROJECT ADDRESS			DRAWN BY	SK1
ARCP				GP / SS	
				CHECKED BY	
				JL / SS	
				PROJECT NUMBER	
				2019-733	



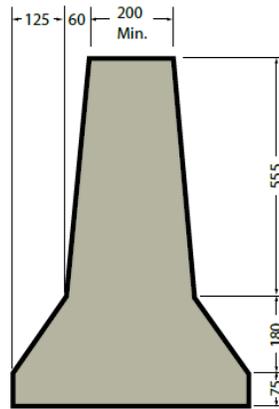
DOUBLE SWING GATE

NOTES:

1. ALL DIMENSIONS ARE IN IMPERIAL UNLESS OTHERWISE NOTED.
2. ALL POSTS, RAILS, FITTINGS AND CHAIN LINK ARE GALVANIZED STEEL UNLES OTEHERWISE NOTED.
3. ALL FITTINGS ARE AS PER CAN/CGSB-138-96 AND ARE INSTALLED TO INDUSTRY STANDARDS

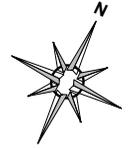
DRAWN BY: MRB	DESIGNED BY:
SCALE NTS	DATE 8 DECEMBER 2020

F-shape Barrier



Dimensions are in mm

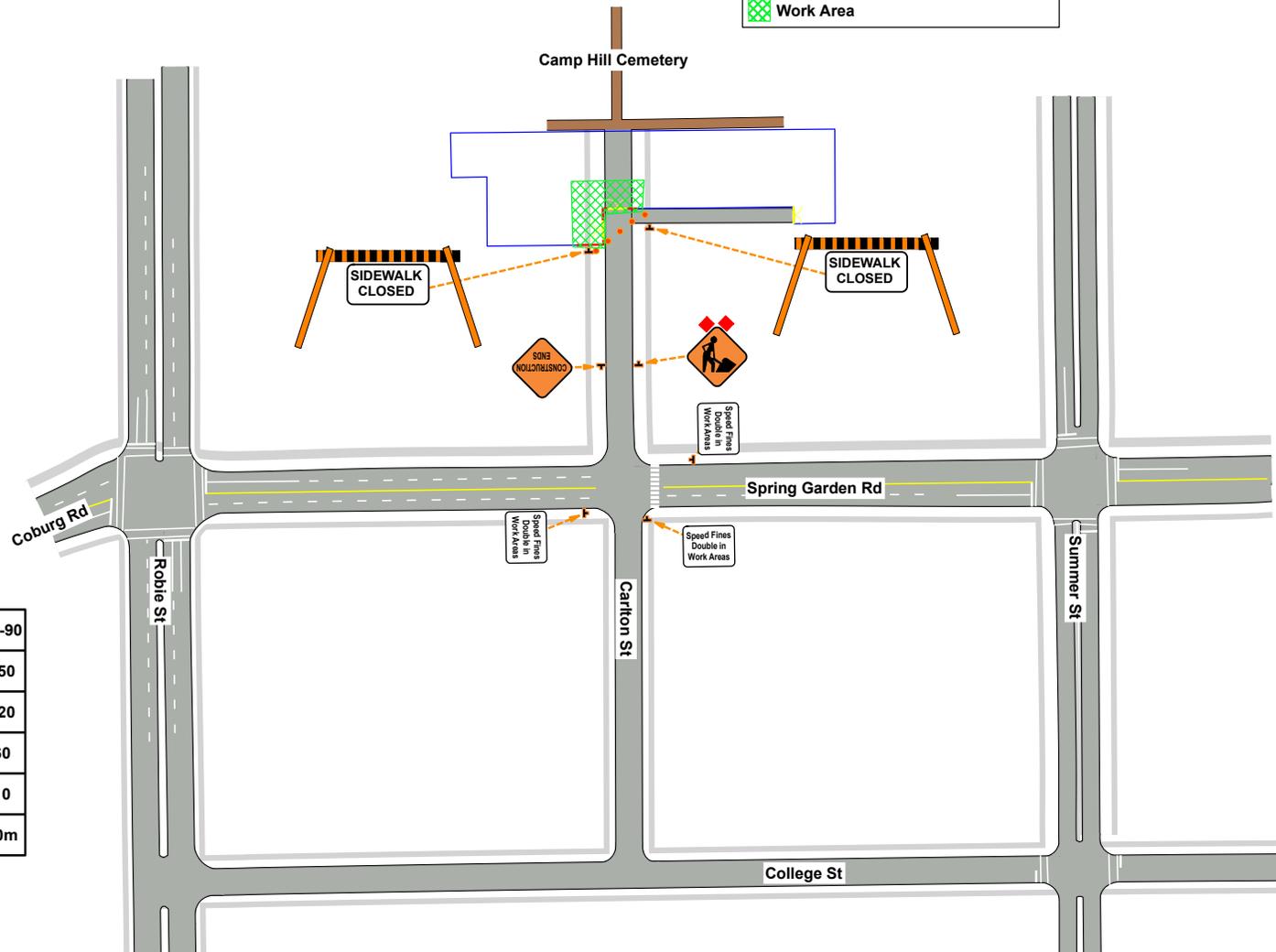
Barrier Installation and Removal Plan



Date: 2021-05-28 Author: Norman Bussmann, TWS, Frontline Traffic Services, 902-817-3364 Project: Carlton St
 Contrator: MARCO Contact: Danny Luong, 902-209-9440

Comments:
 Not to Scale
 Application Guide C12
 Barrier Installation and Removal Plan
 Pedestrian Management as Shown

Legend	
	Barrel
	F-type Barrier with Opaque Hoarding
	Gate
	Perimeter 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

C
CARLTON
TERRACE

Killam
APARTMENT REIT

MARCO
BUILDERS OF ATLANTIC CANADA

LYDON LYNCH
ARCHITECTS



C
CARLTON
TERRACE

Killam
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MARCO
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LYDON LYNCH
ARCHITECTS



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LYDON LYNCH
ARCHITECTS



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LYDON LYNCH
ARCHITECTS



APPENDIX J

Community Engagement Package



MEETING NOTES

JOB TITLE	Killam Carlton East and West Site Plan Approval Applications		
PROJECT NUMBER	211-00933-00	DATE	October 06, 2021
TIME	6:00PM – 10:00PM	VENUE	GoToWebinar
SUBJECT	Killam – Carlton East and West Site Plan Approval		
CLIENT	Killam		

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William Brekenridge	wgbreck@gmail.com

MATTERS ARISING

1.0 INTRODUCTIONS

- Jess Harper - WSP, began the meeting by introducing herself and giving a quick overview of the meeting on the Killam Carlton East and West project.
- Jess Harper introduced Erin Sauve another member of WSP, Killam Representative, Andrew Kent and Lydon Lynch Architect, Mark Atwood. Stated that attendees can click to raise their hands if they wish to speak or use the chat option feature to ask questions.
- Jess Harper went through a Carleton East PowerPoint Presentation followed by Q & A.
- Jess Harper went through a Carleton West PowerPoint Presentation followed by Q & A.
- Following both presentations, it was opened to all attendees to submit or ask questions on either Carlton East or West applications.

MEETING NOTES

2.0 Q&A PERIOD

After both PowerPoint presentations, Jess Harper asked the attendees if they had any questions or comments. Following the Carlton West presentation, unanswered questions asked previously were answered as well as any remaining questions from attendees.

Attendee Question/Comment: “How high does the building (Carlton East) go up in comparison to the condo building behind? What floor on the condo does it reach?”

- Response: They would be at approximately the same elevation (the ground floor). The condo behind is 11 storeys high and our building (Carlton East) will be 6 storeys high plus a penthouse level.

Attendee Question/Comment: “Can you email a copy of the presentation?”

- Response: Yes. We can email a copy following the presentation to anyone who is interested.

Attendee Question/Comment: “Following up from the earlier question, what floor will Carlton East hit the condo behind exactly – the 7th floor? I want to know if the penthouse will add another floor and it won’t occupy the whole floor, correct? If I’m sitting at a certain floor where is it going to obstruct the view?”

- Response: Best guess would be the seventh level of the condo behind as the Carlton East building is 6 storeys plus a penthouse.
- Response: Correct, the penthouse level is not a full floor.

Attendee Question/Comment: “The parking is inside? Where is the ramp going that is shown off the parking entrance for Carlton East? Is there roof parking?”

- Yes. The parking is inside. The parking level does down. No, there is no roof parking.

Attendee Question/Comment: “Where does the exhaust vent from the parking garage come out? Is it noisy or dangerous?”

- Response: The exhaust vent is located on the ground level. No, it is not dangerous or noisy, it wouldn’t be any more dangerous than standing in the parking garage next to it. It not particularly noisy, there is carbon monoxide sensors in all parking garages and when they hit a certain level they will push air out. If its busy in the morning/night, the fans will begin then.

Attendee Question/Comment: “There is a generator in the current building (Spring Garden Terrace), right next to the proposed building. There is noise coming from the generator. Will the new building (Carlton East) have a generator? If it does will it be moved so its not as noisy? Is there a way to mitigate some of these concerns?”

- Response: The Carlton East buildings generator room is located on the ground floor in an enclosed room with the underground parking ramp structure underneath it. These generators don’t need to cycle on a weekly basis so we will speak to our maintenance operators about this and cycling on a monthly basis.

Attendee Question/Comment: “The units on the north end side of the building. Are those actual townhouses facing the cemetery?”

- Response: Yes, they are two-level townhouses that will face the cemetery.

Attendee Question/Comment: “Carlton East is getting built on an existing parking lot. Where do the tenants park during/after the construction? What about the tenants who currently use that parking lot?”

- Response: We are currently looking at options for this. Hopefully we will have options within 4-6 weeks that tenants will be able to discuss with the property manager. There are parking structures and lots available within Killam’s portfolio and elsewhere in HRM. The surface parking lot, post construction, will not be replaced. There may be an interim solution for the construction phase, but it will not be permanent. The parking that is there now (approximately 60 spaces), 25 of which are rented by Spring Garden Terrace tenants, these spaces will not be available once the Carlton East building is constructed.

Attendee Question/Comment: “How close is the easterly end of the building (Carlton East) to the west side of Garden Crest. To clarify, how far is our building from this new building?”

MEETING NOTES

- Response: On the first floor, the proposed building is adjacent to the property line.
- Response: There is a setback of 437mm (under 2ft) from the property line to the outside face of the foundation on the ground floor (parking garage) of Carlton East. The second floor jumps back roughly 20 feet.

Attendee Question/Comment: “Just to clarify how far is the end of the building (Carlton East) to our building (Garden Crest).”

- Response: We currently do not have the exact measurements of the existing building (Garden Crest) location; best guess would be approx. 20/25ft. from the property line to Garden Crest. There is a planter and some walking spaces. This is something we can look into further.

Attendee Question/Comment: “Where did the names of the buildings come from?”

- Response: The marketing department at Killam will have brainstorming sessions to go with all new projects. All employees have an opportunity to submit a name. Those are the ones that won (Aurora and Eventide).

Attendee Question/Comment: “What is the timeline on this project? Are both buildings to be constructed at the same time?”

- Response: March 1st is the target for construction with approximately a 24-month construction schedule. Yes, both to be constructed at the same time.

Attendee Question/Comment: “What size are the balconies on Carlton East facing Garden Crest?”

- Response: 7ft by 10ft.

Attendee Question/Comment: “The drawings indicate that Carleton East is just over 30 meters in height (including penthouse). You indicated that this would go up to the 7th floor of the adjacent condo, correct?”

- Response: We currently do not have the exact measurements of the existing building (Garden Crest), it will approximately be around the 7/8th floor.

Attendee Question/Comment: “Looking for clarification on the design as it relates to the penthouse and its size.”

- Response: The penthouse is set back significantly from all sides of the roof. If you're a pedestrian on the street you will not perceive the penthouse very clearly. The penthouse is disguised by the top of the 6th storey roof. It is a smaller shape on a larger roof. The intent is to have a view with some public roof top space, it will be an amenity space. The size of the penthouse is 139 sq.m – it is a long skinny space that connects both stairs and the elevator core. It occupies the northern half of the roof. There is going to be a green roof as well. It will face the condos to the east and existing building to the south.

Attendee Question/Comment: “I am a current resident of Spring Garden Terrace. I am a little surprised that you have not thought about the impact on Spring Garden Terrace and the impact on the existing residents. Presumably this building will go up to the 8th floor. Which will affect everyone from the 8th floor down in terms of their current view. This is something that is of concern to residents, presumably Killam is going to be reaching out to current tenants. You call it an addition (Carlton East) to the existing building, does that mean that the amenities in the new building will it be accessible to the current tenants of Spring Garden Terrace? What about the current amenities in Spring Garden Terrace, the surface parking is going to be taken away, this will directly affect resident and visitors of the building. In the new building there is only 6 surface spots, are these for the new building (Carlton East)? And what about the swimming pool, it looks like on the drawings there is a turn around spot/loading zone, that looks like it is taking the swimming pool away. Will it be taken away? Or will it be used by all Killam residents? Will existing residents be able to use the underground parking in the addition (Carlton East)?”

- Response: The loading space has been revised from the previous plans, it is now located interior within the underground parking garage, so it will not be located near the pool area as previously shown.
- Response: It was confirmed by Killam that the swimming pool will not be impacted.
- Response: Carlton East is called an addition under planning language; however, they will only be connected via the underground parking structures. Amenities are rarely shared amongst buildings owned/operated by Killam as it lifts a security concern. The tenants in Carlton East will not have access to the space/pool area for Spring Garden Terrace or vice versa.

MEETING NOTES

- Response: The surface parking will be removed and not replaced. There will be surface spots at Carlton East but they will be for tenants of Carlton East or Spring Garden Terrace residents (it depends on the need). The parking spaces will not be visitor parking spots.

Attendee Question/Comment: (Clarification following previous question) “So our building (Spring Garden Terrace) is going to lose parking spots, views to Camp Hill Cemetery, and have to deal with 2 years of construction. What is it in for the Killam tenants and what is Killam going to do for its customer/tenant relations and enhance its reputation to new tenants which will be essential for the new building. The previous planned building was supposed to be connected on the second floor and have shared amenity space that was the original plan”

- Response: You are correct, there will be impacts to the existing tenants and construction will also have impacts. This project has been planned for 7/8 years; I am not fully aware of what those plans entailed to the previous planned building as that was previous to my time at Killam. It is our intent to proceed in the new year with construction. Unfortunately, if there are impacts to existing tenants Killam will address those on a case by case basis. We recognize there may be some impacts, however, this meeting is to address the design of the building and application with the City.

Attendee Question/Comment: (Clarification following previous question) “I think impact on surrounding properties is something that is important in a design application. Obviously, proximity, privacy, and view are impacted, and I think if you want community support you might want to consider some ways to compensate these existing residents. I urge Killam to not think of themselves as a developer but consider the impact on the other tenants, because you want happy tenants. Spring Garden Terrace has been flagship of Killam in Halifax, you need to consider things for all tenants not just new tenants. Comes to relationship and trust of your current tenants.”

- Response: Yes, I understand.

Attendee Question/Comment: “Under Centre Plan it would be allowed to go up to 30 storeys on 1538 Carlton Street (Carlton East). Why did you not go to that height?”

- Response: Yes, Centre Plan does allow for a taller building but with taller buildings you need larger setbacks which this property cannot accommodate. While we have approval on the Carlton East site for a taller building that is still in place at this time, we feel what is proposed here is best for the site, existing tenants, and to allow for what the Centre Plan permits.

Attendee Question/Comment: “How much green space, if any, will be preserved, including trees along the fence of the cemetery (Carlton East and West)?”

- Response: For both buildings, the trees that are along the cemetery property line will need to be removed to dig down for the parking garages. For the Carlton West site, there is existing green space but, this will be removed. Both parking garages are designed to go right up to the property line.

Attendee Question/Comment: “Are there any balconies on the east backside wall of the Carlton East building?”

- Response: Three sides of the building contain balconies. We do have a balcony on the east side facing the southwest corner that is recessed for the corner unit, but otherwise there are no balconies on the south side of the building.

Attendee Question/Comment: “Is the deck overtop of the Carlton East ramp for common use?”

- Response: There are no uses above the ramp. On the roof of the parking structure there is a small roof terrace balcony, but this would be private for the residential unit it is attached to. It will not be public.

Attendee Question/Comment: “There wasn’t going to be any commercial elements in the buildings previously, but now there is a commercial space shown in Carlton East, what would that be used for?”

- Response: As part of the City’s planning review, the buildings must comply with both Centre Plan Package A and proposed Package B requirements. We are in a situation where we need to comply with both plans. Under Package B both buildings require 50% of the ground floor to be either a work/live unit or commercial space. The plans have been updated for compliance. The West building is showing 50% of the ground floor as a work/live unit and the East building is impacted

MEETING NOTES

more dramatic with 50% of this floor is to be commercial space. Type of commercial use has yet to be determined. The hope is to get a tenant that operates a fitness centre in the Carlton East commercial space.

Attendee Question/Comment: “Turning radius on Carlton street, as a resident nearby, I’ve seen a lot of cars go down and do a three-point turn. What is the plan for the 3-point turn for vehicles? This may not have been accurately captured during your traffic study. I suggest putting a place where people can pick up/drop off. “

- Response: Originally, we had a cul-de-sac proposed, but the city wanted to keep the existing condition on Carlton Street. This will require people to back into the driveway in order to turn around unless parking is removed from that street.

Attendee Question/Comment: “The Centre Plan list Japanese Knot Weed as a native species, some of has been removed from the West Building, will the remaining be removed?”

- Response: Yes, if it is located on our side of the property line it will be removed. We are hoping to engage Embassy Towers and come to an agreement.

Attendee Question/Comment: “There is bike parking shown on Carlton West, it appears it is just barely covered under a balcony. Can it be relocated to be sheltered by one of the balconies above?”

- Response: It was originally planned to be sheltered but with the work/live unit now designed with an entrance onto Carlton Street, the bike parking was relocated. We certainly can look further into the possibility at adjusting the location of the bike parking spaces so that they are covered by one of the balconies above.

Attendee Question/Comment: “The walkway on the south west corner of Carlton West. It appears there is a walkway from the sidewalk, my curiosity is where does the pathway exit?”

- Response: It is a private pathway area. It would be wise to have a pathway for maintenance access.

Attendee Question/Comment: “It appears there are balconies on the south west side of the building (Carlton West) that are facing Embassy Towers. Would you be able to jump from one balcony to the other balcony?”

- Response: No, you would not be able to jump. They are close correct, but it would be approximately 30ft.

Attendee Question/Comment: “When will both buildings be offered for pre-sale/sale? Who is representing the buildings?”

- Response: Both projects will be rental projects so there will be no units for sale. Killam will be representing both developments. Leasing usually starts about a year before the building is complete.

Attendee Question/Comment: “How close to Garden Crest is the East side of Carlton East’s penthouse in feet?”

- Response: The east face of the penthouse from its own roof would be 9.2m from the edge of the roof. There is another 30ft from the other side of the roof and then 18 inches to the property line and then we think about another 20ft to Garden Crest. My guess would be around 70-90 ft.

Attendee Question/Comment: “Is the Penthouse on Carlton East supposed to be habitable?”

- Response: No, that is not supposed to be a habitable unit where someone will live. This space will be an amenity room or possibly gym if one is not located on the ground floor. This is still to be decided.

Attendee Question/Comment: “What kind of technology will you use to carve out the garage floors below ground. Is it chipping or blast technology?”

- Response: Right now, it will be chipping. There is no intent to blast. Until we get closer to construction, I can not confirm 100% there will be no blasting.

Attendee Question/Comment: “What is the size of the Spring Garden Terrace balconies for scale?”

- Response: I do not know the exact dimensions on those, best guess is that those balconies are approx. 6/7ft by 7/8 ft.

Attendee Question/Comment: “What is the impact to Camp Hill Cemetery during construction? Is there a plan in place if graves are found?”

MEETING NOTES

- Response: Yes. This is obviously a potential impact to construction. We are required to have a Provincial archaeologist permit and we have done a study for each site. These studies have been submitted to the Province with recommendations. The Province has reviewed, and we can continue with an archeologist on-site during construction. If anything does get discovered, it will be dealt with at that time. There is approximately 15 feet between where excavation will occur and from where the first headstones lie.

Attendee Question/Comment: “So then the fence to Camp Hill will be removed? Are the trees actually in the cemetery boundary?”

- Response: The trees have been surveyed and they are on Killam’s side of the property line. Yes, the fence that is currently in place will be removed and replaced with a wooden fence as per the Land Use By-law requirements.

Attendee Question/Comment: “Is the heritage impact study that was completed available for public review?”

- Response: We are not obligated to share that with the public. I will review and see if that can be shared. I can put you in touch with the archeologist to ask any specific questions.

Attendee Question/Comment: “How does approval for a tall building turn into approval for a short "fat" building?”

- Response: There is an application submitted to HRM to discharge the taller building regulated by a development agreement (where Carlton East is proposed). There are two different process to go through for a development agreement application and site plan approval application. Site Plan Approval would be referred to as and as-of-right project as we are following the Land-Use Bylaw requirements and design requirements (which is what both these applications are). This does not need Council Approval but is approved by the Development Officer with recommendation from the Design Advisory Committee. There are no variations to the Land Use By-law that are being requested for either application here.
- Response: We are not seeking changes to the former approval (approved development agreement). The development agreement will be discharged once this process is approved. This process is that we are able to build these buildings without Council approval.

Attendee Question/Comment: “For Camp Hill Cemetery, the existing trees that are immediately behind the fence on the property line, within a foot there are some ancient trees, and if your excavating right down from there, there is going to be some root damage. Has an arborist or anyone looked into that? Or considered the impact of the root damage? Some of those tree roots go down 30/40ft, will you be protecting those?”

- Response: No one has looked into this at this time. We are not obligated to conduct this study. The City’s arborists have reviewed the application and given us preliminary comments but have not raised any concerns.
- Response: The ancient trees are on the other side of the path, on the adjacent property. We are not allowed to disturb the trees not located on our property.

Attendee Question/Comment: “There might be an issue later on with these trees. Is there a plan to protect them?”

- Response: We are not allowed to disturb trees that are above grade on adjacent properties. However, there are no obligations with the tree’s roots.
- Response: There are landscape architects on the team that have reviewed the plans and have not expressed any reason for concerns with these trees.

Attendee Question/Comment: “The green space (Carlton East and West) on the property line, will this be excavated just a few feet down or fully?”

- Response: It will be excavated down for the parking garages right to the property line.

Attendee Question/Comment: “In this area of HRM, the existing infrastructure (i.e. water mains, sewage, etc.) is ancient or to the point of overloaded. There are not just these developments proposed but other developments in the area. That is a massive number of new toilets. Is there anything being done to address this overloaded infrastructure? Are you not concerned about the tenants in your current buildings?”

- Response: Those services are City owned and the City’s responsibility.

MEETING NOTES

- Response: No. We have to analyze if there is enough capacity in the system to service our site, which we have done. If you come in as-of-right then there is no concern from the City. The City would be responsible for those upgrades.
- Response: We have civil engineers that have reviewed and analyzed all the systems that we would be connecting to and they have not expressed any concerns.

Attendee Question/Comment: “Noise pollution of the HVAC on both buildings. Do you know the decibel levels for reference for residents who live adjacent to the development?”

- Response: No. However, both buildings are going to be geothermal. The only unit on both buildings will be an air-handling unit to bring in fresh air supply. The majority of noise coming from buildings is coming from their air-cooling systems and both these buildings will not have that.

Attendee Question/Comment: “In regard to the Camp Hill Cemetery, I was alarmed to hear you are removing the iron fence. Because Camp Hill as of August 17th is a registered heritage site and that was a defining characteristic on the application. So, a change to that would require heritage committee approval. On both sides there is implications for the Camp Hill Cemetery and Heritage property known as Barnes House to the east from Carlton West. With the Heritage committee overruling all of that. Would you be able to clarify?”

- Response: The rod iron fence does not exist on the southern side of the cemetery (adjacent to both of these properties), it’s a chain link fence. We proposed to match the rod iron fence however, the City rejected that and under the Land Use By-law requires a wooden fence. We also proposed to replace the gate to the cemetery as the public benefit contribution; however, the City did not approve our proposal as the gate would not be located on the development site.
- Response: The property that fronts on Spring Garden Road and is a registered heritage building is not actually adjacent to the Carlton West site, there is a property located in-between. The Land Use By-law has specific design requirements if you are adjacent to a heritage site or building. As this property is not adjacent to our site there are not specific design requirements for the Carlton West building. As you mentioned, Camp Hill Cemetery is a recently registered heritage site. The design requirements under the Land Use By-law in terms of heritage relate to matching the cornice line of the adjacent heritage building or providing architecture features that are in context with the existing adjacent heritage building. As the adjacent heritage site in both these applications is the cemetery, and there is no building located on the site, there are no design requirements that are required to be applied to either Carlton East or West. As mentioned, we did propose to the City to match the existing rod iron fence, but it is stated very clearly in the Land Use By-law that the fence is required to be wooden. This was the same as the gate, we did propose this as a public art under the public benefit contribution, but it could not be classified as this as it would not be located on the development site. Unfortunately, it came down to the black and white of the Land Use By-law.

Attendee Question/Comment: “There are at least 10,000 unmarked graves in that cemetery. As well as the headstones only cover 10%, maybe 20%, of where the human remains of actual graves are in Camp Hill. The first graves that were in the cemetery were on that side. So, distance from the headstones means best of luck. I submitted the application for Camp Hill Cemetery to become a heritage site and I wish you were able to have the cast-iron fence for the aesthetics of your buildings and the cemetery’s. I also know you are going to be planting many other trees that will replace the ones you are taking down, so I am not worried about that.”

- Response: I completely agree, and yes, we will be planting other trees.

Attendee Question/Comment: “I do concur with the local residents regarding the sewage. This site itself was historically part of a tannery, of the Barnstead Family, so you may find some remnants and it would be interesting to see what is dug up. Would also be nice to have some creative signs around the site so that residents can have more information and identify the site. This would be a benefit to residents.”

- Response: Thank you for your comments and suggestions.

Attendee Question/Comment: “There have been many questions tonight regarding adjacent developments because there are other developments around within HRM. Is there any interest in presenting these adjacent developments with greater context in the future for residents or is this the end of the road of what we see so far?”

MEETING NOTES

- Response: It is the latter. This is the opportunity to present the design to the public through this presentation and virtual meeting as well as on the website. It is important to make the distinction that because both developments will be permitted under the Land Use By-law the process is less complex and simpler for what we need to go through for a development agreement for example (ie. Council approval is not required). After this virtual session, we will go to the Design Advisory Committee where a recommendation will be provided to the Development Officer. Following approval, we will then apply for a building permit and that is when construction would begin.
- Response: Yes, we will go to the Design Advisory Committee who will give a recommendation to the Development Officer who will grant approval as this is as-of-right type application. The other surrounding developments that are going through a development agreement process are required to go through a more complex and lengthier approval. Just to note, under the proposed Centre Plan Package B changes are being made to the site-plan-approval process where the public engagement items (signage on the site, presentation, newspaper ad) will not be required for any application that is not seeking a variance to the requirements in the Land Use By-law. Only developments seeking variances will be required to complete the public engagement process.

Attendee Question/Comment: “I submitted my 3D modelling (texture maps, massing, etc.) of the surrounding developments to both Killam and Lydon Lynch. Did you see that email? Will you share your 3D Revit drawings of these proposed building and other buildings you have around Halifax?”

- Response: Lyon Lunch - I don't recall seeing that email come through, however if you send it again, I will take a look at this. Jess offered for the attendee to forward the email to herself and she will forward it along to Mark Atwood.
- Response: This is something we (Lydon Lynch) model. We do tone down buildings on adjacent properties, so it clearly shows the development we are presenting.
- Response: As for the Revit drawings, we wouldn't share those drawings. Our workflow is all through Revit which is a complex modeler. We can share it with people; however, this would be something to discuss further with how Lydon Lynch could support. It is not something that is typically sent out to the public.

Attendee Question/Comment: “Are the townhouses rental units as well? Where do the parking garage fans exhaust to? Are they facing the cemetery or blowing right at Garden Crest?”

- Response: Yes, all units are rentals including the townhouse units.
- Response: The parking garage fans are on the wall that are facing Garden crescent.

Attendee Question/Comment: “You have nice pictures of the front of the buildings, do you have any of the back facing Garden Crest?”

- Response: No, unfortunately we only have the elevation drawings for the rear of Carlton East, not renderings.
- Response: The materials will all be similar around all 4 sides of the building. The podium will have an expression of white frame. Above level 3 is a medium grey brick and glass. Garden Crest side has fewer balconies and windows.

Attendee Question/Comment: “Are you required to provide a public benefit?”

- Response: Yes, we are required under the Land Use By-law to provide a public benefit. What was proposed originally to the City was in the form of public art to replace the gate to Camp Hill Cemetery off Carlton Street. Unfortunately, due to the wording in the Land Use By-law, this was not accepted as the public art contribution is required to be placed on the development site. Killam has proposed money-in-lieu for affordable house as the public benefit category.

3.0 PROJECT NEXT STEPS

- Jess Harper reviewed the project next steps and shared her contact information with the attendees and stated that any further questions or comments could be sent directly to her.
- Jess Harper thanked everyone for their time and attending the session.

Anticipated Activities Update- Carlton

Activities anticipated in the upcoming week

Date:

Specific Date and Time	
Activity 1	
Purpose	
Description	
Shutdowns/Disruptions	
Noises Anticipated	
Dirt and Dust Triggers	

Specific Date and Time	
Activity 2	
Purpose	
Description	
Shutdowns/Disruptions	
Noises Anticipated	
Dirt and Dust Triggers	

Specific Date and Time	
Activity 3	
Purpose	
Description	
Shutdowns/Disruptions	
Noises Anticipated	
Dirt and Dust Triggers	

Specific Date and Time	
Activity 4	
Purpose	
Description	
Shutdowns/Disruptions	
Noises Anticipated	
Dirt and Dust Triggers	

EVENTIDE

1540 Carlton Street, Halifax, NS



January 2024 – January 2026

COMMERCIAL/RESIDENTIAL BUILDING

Owner:

Killam Apartment REIT
3700 Kempt Road, Halifax, NS B3K4X8
(902) 453 9000

Contractor:

Marco Group Limited
135 Ilsley Avenue, Dartmouth, NS B3B 1T1
(902) 481 6500

Emergency Contact/Site Superintendent:

Tim Graves 902-209-1903

tgraves@marcogroup.ca

Eventide Apartment



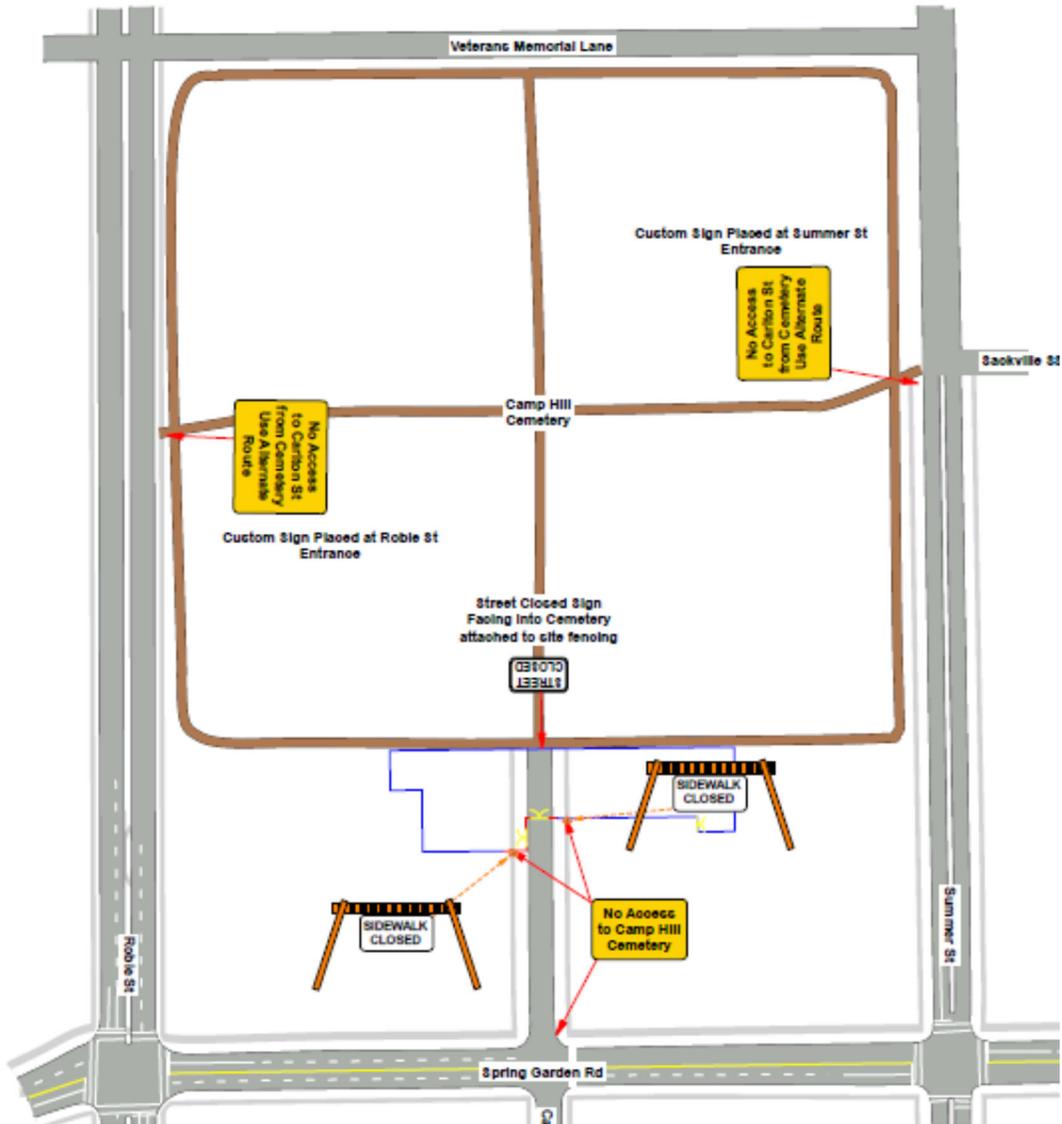
Project Overview

The upcoming development called Eventide will be a multi-residential building located at 1540 Carlton Street.

This development will consist of one tower with 55 units.

During construction Marco Group Limited in conjunction with Killam Apartment REIT are committed to minimizing negative impacts on the public and surrounding businesses. Working with HRM, a construction management plan is being prepared to identify potential inconveniences due to construction and mitigate them. This document is meant to convey information about this upcoming project to the public and ensure a safe and convenient construction project.

Pedestrian Management Plan



Construction Phases

Excavation (February 2024 to July 2024)

The site along with adjacent sidewalks will be closed in August to start the excavation phase of work. During this phase existing elements on site will be removed and a 2 level basement excavated. Perimeter fencing will surround the site and traffic will not be affected. There will be a temporary road closure during this phase to install the site services.

Substructure (June 2024 to December 2024)

During this phase the perimeter site fencing will remain in place, all pedestrian routes will be identified with signage as indicated above, traffic will be protected with a concrete barrier, a tower crane will be erected, and concrete work will begin at the footings and continue up to the finished grade level.

Superstructure & Finishes (January 2025 to August 2026)

Similar to the previous phase all the same measures will remain in place, while the structure of the buildings is constructed. Following the completion of superstructures, the tower crane will be removed, and work will continue with closing in the building along with interior work. The project is currently scheduled to be complete August 2026.

Additional Information

Where can I get more information related to this project and its construction management?

Marco Group Ltd. Encourages the public to reach out with questions and comments related to this project. If you would like additional information, please feel free to call us at 902-481-6500.

Will there be changes to the Construction Management Plan?

Construction Management Plans are evolving documents. While efforts have been made to address all possible concerns there may be unforeseen elements which require changes in the way the project site is managed. Marco Group Ltd, Killam Apartment REIT, and HRM will remain in close contact throughout the construction process to ensure that any unidentified factors are effectively managed, and that information is properly conveyed to the public.

Safety Concerns?

If you have any immediate safety concerns related to this project, please call Marco Group Ltd at 902-481-6500 with any safety concerns

APPENDIX K

NAVCAN Correspondence Letter



October 29, 2021

Your file
Carlton Apartments 1538 Carlton Street
Our file
21-2490

Mr. Danny Luong
Carlton-Killam Apartment REIT
135 Ilesley Avenue
Dartmouth, NS
B3B 1T1

**RE: Development Proposal/Plans: Building + Crane(s) - Halifax, NS
(See attached document(s))**

Mr. Luong,

NAV CANADA has evaluated the captioned proposal and has no objection to the project as submitted. Our assessment does not constitute an approval and/or permit from other agencies.

In the interest of aviation safety, it is incumbent on NAV CANADA to maintain up-to-date aeronautical publications and issue NOTAM as required. **To assist us in that end, we ask that you notify us at least 10 business days prior to the start of construction. This notification requirement can be satisfactorily met by returning a completed, signed copy of the attached form and an Excel copy of the attached spreadsheet by email at landuse@navcanada.ca or fax at 613-248-4094.** In the event that you should decide not to proceed with this project or if the structure is dismantled, please advise us accordingly so that we may formally close the file.

If you have any questions, contact the Land Use Department by email at landuse@navcanada.ca.

NAV CANADA's land use evaluation is based on information known as of the date of this letter and is valid for a period of 18 months, subject to any legislative changes impacting land use submissions. Our assessment is limited to the impact of the proposed physical structure on the air navigation system and installations; it neither constitutes nor replaces any approvals or permits required by Transport Canada, other Federal Government departments, Provincial or Municipal land use authorities or any other agency from which approval is required. Innovation, Science and Economic Development Canada addresses any spectrum management issues that may arise from your proposal and consults with NAV CANADA engineering as deemed necessary.

This document contains information proprietary to NAV CANADA. Any disclosure or use of this information or any reproduction of this document for other than the specific purpose for which it is intended is expressly prohibited except as NAV CANADA may otherwise agree in writing.

Regards,

Land Use Office
NAV CANADA

cc ATLR - Atlantic Region, Transport Canada
CHQE - HALIFAX (QE II HEALTH SCIENCES CENTRE)(HELI)
CYAW - SHEARWATER(HELI)
CHS7 - HALIFAX (SOUTH END)(HELI)
CIW2 - HALIFAX (IWK HEALTH CENTRE)(HELI)

APPENDIX L

Rodent Control Plan



The Experts in Pest Control

June 7, 2021

Danny Luong % Marco

RE: Rodent Control Plan - Carlton Apartments, Halifax NS

In reference to the Rodent Control Plan for Carlton Apartments, Halifax NS.

7.3.6 Rodent Control

*Rodent movement increases during construction activities; **Marco** has engaged **Rentokil Pest Control**, to help mitigate this. Rentokil has reviewed the rodent control plan with the goal of preventing movement of rodents off-site to find safe refuge in adjacent areas.*

Rodent Control Management

The RCP will consist of a baiting and monitoring program. As discussed we would set 10-12 Outdoor Bait Stations (more if required) around the perimeter of the work site as required. They would be serviced monthly, as the development moves forward more devices would be installed in Parkade levels and throughout the structure.

There will be a service agreement written for the site which would remain in place between Marco group and Rentokil until the building is handed over to the property management company, at which time a new service agreement would be completed.

See the Site Management Plan drawing on the last page for proposed bait station locations. Bait stations will be secured in their locations using wooden stakes (for open sodded and dirt locations),

weighted patio stones (behind walls and on paved areas), and zip-ties (fixed to fences. Bait stations

within the project site will be fixed to rigid fences using zip-ties and will be placed on the private side of property line.

Bait stations will be baited using “Contra Blox” in accordance with the Environment Canada Pest Control

*Products Act. Information and specifications for bait stations and bait are provided in **Appendix G.***

The Certified Rodent Control Professional will provide monthly monitoring of every bait station. During

each visit to an individual bait station, the technician will open the bait station, record the amount of

bait consumed, the amount of bait replenished, the site conditions (weather), and the condition of the

Construction Management Plan Page 13

bait and bait station. Visible rodent carcasses will be collected and removed from the project site and

neighboring areas on a monthly basis.

A rodent control package will always be kept on site and be housed in the project site office trailer. It

will include copies of certifications, letters of good standing, letters of conformance, technician names

and licenses, rodent control plans, and rodent control records. Certified Rodent Control technicians will

be required to sign in and out upon arrival to, and departure from, the project site.

Rodent Control Safety Considerations

Public safety will be of critical importance for rodent control activities. Physical (snap) traps will be

prohibited unless approved by HRM (the contractor must request proposed CMP changes to HRM a

minimum of 10 days prior to planned implementation for review). Trap size will be sufficiently small to

prevent children, dogs, or cats from entering and becoming poisoned and the bait/poison will be

sufficiently weak so as not to not kill children, dogs, or cats. In addition, bait stations will be tampering

proof and bait will be securely fixed inside so that it cannot be shaken out. Bait stations will be opaque

to protect the public from unsightly images.

Project Closure

Following completion of this project, Rentokil will promptly collect and appropriately dispose of all unused

bait, bait stations, and remaining carcasses and will provide a close out letter to HRM outlining the work

that was completed throughout construction and confirming that all necessary clean-up has been completed.

Sincerely,

Rob Colwell
Account Executive
Rentokil Canada Corporation

CONTRAC BLOX

KILLS RATS & MICE

SOLID

Kills Warfarin Resistant Norway Rats

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

REGISTRATION NO.: **22239** PEST CONTROL PRODUCTS ACT

COMMERCIAL

WARNING



POISON

GUARANTEE

Bromadiolone.....0.005%

Contains Denatonium Benzoate

Warning, contains the allergens wheat, soya lecithin.

Contains calcium propionate at 0.375% as a preservative.

READ THE LABEL BEFORE USING

(see back panel for additional precautionary statements)

KEEP OUT OF REACH OF CHILDREN

Only to be used by certified pest control operators, farmers and persons authorized in government-approved pest control programs.

NET CONTENTS: 1.8 – 8.2 kg

Manufactured by: Bell Laboratories, Inc., 3699 Kinsman Blvd., Madison, WI 53704 USA
Tel: 608-241-0202

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN, PETS AND LIVESTOCK. May be harmful or fatal if swallowed or absorbed through the skin. Chemical-resistant gloves must be worn when handling product and when disposing of dead rodents, unconsumed bait and empty containers. Avoid contact with eyes, skin or clothing. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Wash skin thoroughly with soap and water after handling. Wash contaminated clothing, separately

from other laundry, with soap and water before reuse. KEEP AWAY FROM FEED AND FOODSTUFFS.

All handlers must wear long-sleeved shirt and long pants, shoes plus socks, and chemical resistant gloves when handling this product.

FIRST AID:

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 centre or doctor for treatment advice.

If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

If swallowed, call a poison control centre or doctor 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 a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

For all cases of human ingestion, immediately notify a physician or poison control centre. If a pet or livestock poisoning is suspected, immediately contact a veterinarian. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Vitamin K₁ in the form of intramuscular or subcutaneous injections, or by oral ingestion are suggested remedial treatments for anticoagulant poisoning. The severity of the case measured by establishing prolonged prothrombin times (P.T.) will determine appropriate therapy. Monitoring P.T. will indicate the necessity of repeated treatments.

ENVIRONMENTAL HAZARDS: This product is toxic to fish and wildlife. Keep out of lakes, streams or ponds.

DIRECTIONS FOR USE: Use bait to control the Norway rat (*Rattus norvegicus*), Roof rat (*Rattus rattus*), and House mouse (*Mus musculus*) indoors and outdoors within 15 metres of buildings (dwellings, farm buildings, food service establishments (non-food areas), granary bins (empty), processing plants (feed, food, in non-food areas) and storage areas (non-food)). Rodenticide bait can be placed in tamper-resistant bait stations along the fence line of properties, outside of the 15-metre limit but within 100 metres of buildings, if the station is securely fastened (e.g. nailed down) to the fence or the ground.

Food Processing, Food Manufacturing, Food Storage and Food Service Areas:

For areas not directly related to food processing: Use only in non-food or non-feed area where feed, food, packaging and handling equipment are never opened or exposed. For areas where feed or food is processed, served, or stored: In meat and food processing plants (processing areas), use only when plant is not in operation. Remove or cover all food, packaging material and utensils before placing bait in baiting stations. Remove all baits and dead rodents before reuse of the plant (processing areas include storage and

service). Users should remove clothing immediately if pesticide gets inside. Then wash skin thoroughly and put on clean clothing

USE LIMITATIONS: Bait **MUST** be placed either in tamper-resistant bait stations or in locations not accessible to children, pets, livestock or non-target wildlife. **DO NOT** place bait in areas where there is a possibility of contaminating food or surfaces that come in direct contact with food.

Bait stations (**tier 3**) used for the placement of rodenticide bait indoors, in locations not accessible to pets or livestock must have the following characteristics: (1) be constructed of high-strength material (e.g., metal or injection molded plastic) and resistant to destruction by children; (2) have an entrance designed so that children cannot reach the bait; (3) have internal structure which prevents bait from being shaken loose; (4) have an access panel that fastens securely and locks (e.g., metal screw or padlock); and (5) bear the product name, active ingredient, guarantee, registration number, “WARNING POISON”, and the skull and crossbones symbol.

Bait stations (**tier 2**) used for the placement of rodenticide bait indoors, in locations accessible to pets or livestock must have the following characteristics, in addition to those outlined above for tier 3 bait stations: (1) resistant to destruction by non-target animals; and (2) have an entrance designed so that non-target animals cannot reach bait.

Bait applied outdoors and above-ground **MUST** be placed in bait stations.

Bait stations (**tier 1**) used outdoors, above-ground, in locations accessible to children, pets and non-target wildlife must have the following characteristics, in addition to those outlined above for tier 2 and 3 bait stations: (1) be resistant to destruction or weakening by elements of typical non-catastrophic weather (such as, snow, rain, extremes of temperature and humidity, direct sunshine, etc.).

SELECTION OF TREATMENT AREAS: Determine areas where rats and/or mice will most likely find and consume the bait. Generally, these areas are along walls, by gnawed openings, in or beside burrows, in corners and concealed places, between floors and walls, or in locations where rodents or their signs have been observed. Remove as much food as possible.

APPLICATION DIRECTIONS:

RATS: Place 3 to 16 pieces of CONTRAC BLOX at intervals of 4.5 to 9 metres per placement. Maintain an uninterrupted supply of fresh bait for 10 days or until signs of rat activity cease.

HOUSE MICE: Place one piece of CONTRAC BLOX at intervals of 2.5 to 3.5 metres per placement. Two pieces may be needed at points of high mouse activity. Maintain an uninterrupted supply of fresh bait for 15 days or until signs of mouse activity cease.

RATS AND MICE: Replace contaminated or spoiled bait immediately. To prevent reinfestation, eliminate 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 bait as needed.

DISPOSAL: Do not reuse empty container. Dispose of unused or spoiled bait in accordance with local requirements. Follow provincial instructions for any required cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements. For more information on the disposal of unused, unwanted product and cleanup of spills, contact the provincial regulatory agency or the Manufacturer.

Rodent Disposal: Dispose of dead rodents in garbage or by burying.

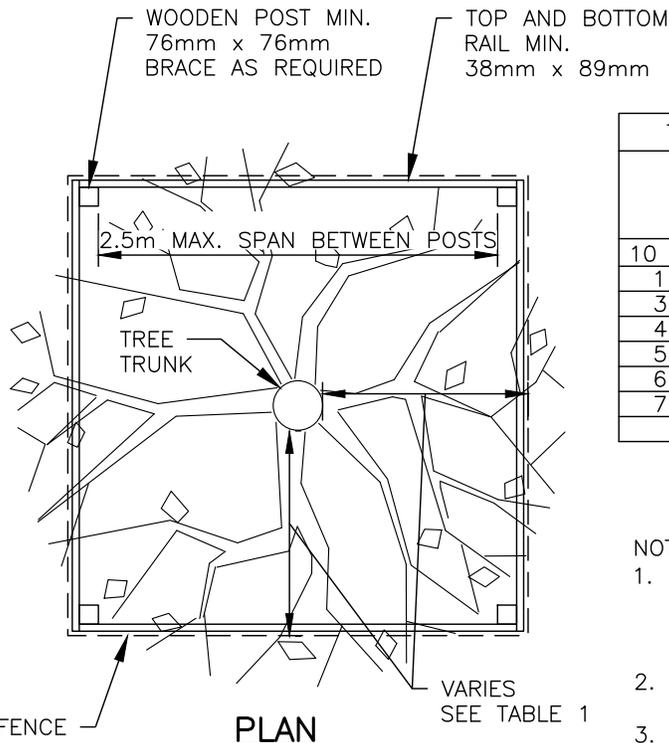
STORAGE: Store in cool, dry place away from other chemicals and food or feed. Store product not in use, in original container, in a secure location inaccessible to children and non-target animals.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

051116

APPENDIX M

Tree Protection



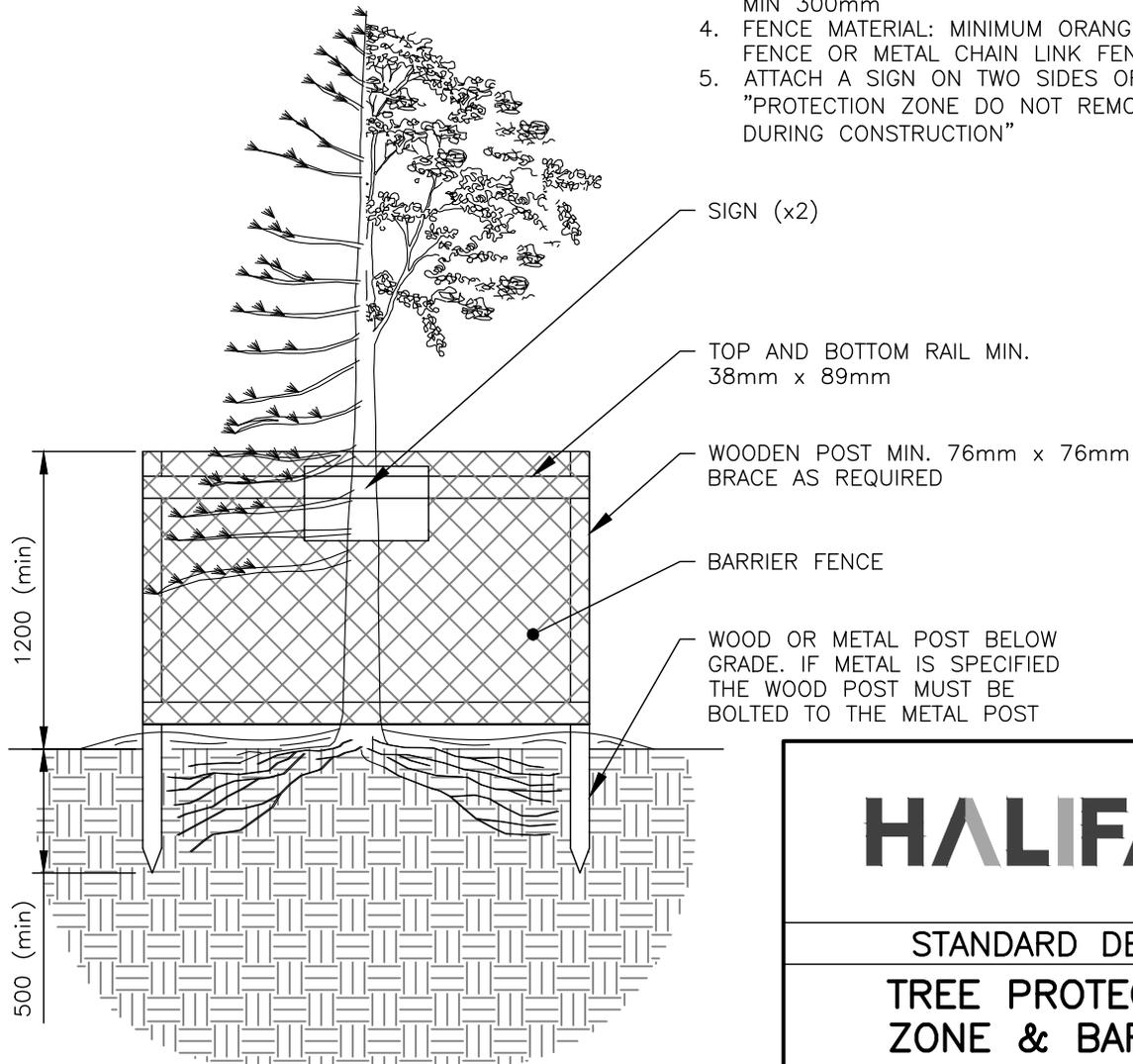
PLAN

TABLE 1

TREE PROTECTION ZONE CALCULATION TABLE	
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. TOP AND BOTTOM RAIL: (MIN. 38 x 89mm CONSTRUCTION, MAX. SPAN 2.5m), CROSS BRACING AS REQUIRED.
2. NO GROUND DISTURBANCE WITHIN 1.2 METER OF THE TREE TRUNK (I.E. POST INSTALLATION)
3. POSTS SET BACK FROM SIDEWALK AND CURB: MIN 300mm
4. FENCE MATERIAL: MINIMUM ORANGE BARRIER FENCE OR METAL CHAIN LINK FENCE
5. ATTACH A SIGN ON TWO SIDES OF THE TREE "PROTECTION ZONE DO NOT REMOVE FENCE DURING CONSTRUCTION"



PROFILE

HALIFAX

STANDARD DETAIL

TREE PROTECTION ZONE & BARRIER

DATE:	2021	REFERENCE	APPROVED
SCALE:	NTS		FIG No.: HRM 140