
CONSTRUCTION MANAGEMENT PLAN

May 20, 2021



Ronald McDonald House Charities

Lot R - South Street Halifax, Nova Scotia

Project Number 21-124

PREPARED BY:

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Original Signed

1.0 INTRODUCTION

1.1 PROJECT DESCRIPTION AND OBJECTIVES

Ronald McDonald House Charities Atlantic (RHMC) is proposing to develop a new five-story institutional building. This project is in Halifax, located on South Street between Robie Street and Wellington Street.

DesignPoint, together with **RMHC**, 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 **Appendix A**.

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: **Ronald McDonald House Charities Atlantic**

5940 South Street, Halifax

Lori Baker CEO 902-222-5559 lori@rmhcatlantic.ca

Construction Manager: **Catalyst Consulting Engineers**

110 Hampton Green, Dartmouth

Andrew Amos, P.Eng Senior Partner 902-802-0306 catalyst@eastlink.ca

Traffic Control Services: **Not yet selected.**

Rodent Control Services: **Abell Pest Control**

48 Trider Crescent Unit 8, B3B 1R6, Dartmouth, Nova Scotia

Jamie Murphy 902- 402 3278

2.0 CONSTRUCTION SCHEDULE AND LOGISTICS

2.1 SCHEDULE

September 2021 – Late Winter 2022

A more detailed schedule will be provided when the contractor is selected.

2.2 WORK WITHIN THE PUBLIC RIGHT-OF-WAY

The initial excavation phase will require an encroachment within the Halifax Regional Municipality (HRM) right-of-way (ROW). The extent of the encroachment will change as work progresses. The extent of the encroachment throughout the various stages are provided in the Encroachment Plans in **Appendix A**.

2.3 HOURS

- Monday to Friday: 7:00 a.m. – 9:30 p.m.
- Saturdays: 8:00 a.m. – 9:30 p.m.
- Sundays, Statutory Holidays, & Remembrance Day: 9:00 a.m. – 9:30 p.m.

Construction will be completed during daytime hours to avoid interruptions to residents in the evenings and night. Construction activities must adhere to all restrictions outlined in the HRM Noise Bylaw (N-200). Work within Herring Cove Road will be restricted as per the requirements of the HRM Traffic Control Manual Supplement (TCM).

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; and
- HRM TCM Supplement.
- Smoke Free Act

4.0 VEHICLE AND PEDESTRIAN MANAGEMENT

4.1 VEHICULAR TRAFFIC CONTROL

This project site is situated on a busy road adjacent to the IWK Emergency Department and flanked by Gorsebrook Junior High School, and Apsa Sir Frederick Fraser School to the West and East, respectively. These constraints pose 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.

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 J for vehicular and pedestrian hazard assessment information.

4.1.3 Traffic Control Plan Preparation & Monitoring

Traffic Control Plans (TCPs) have been prepared as required for encroachment within the right of way 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's certified temporary workplace signer (TWS), Adam Leahy (902-832-5597). 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 Persons (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. The General Contractor will inspect traffic control elements on a scheduled basis, or more frequently as required, and will maintain traffic control elements as required to ensure that the TCPs are effectively and correctly implemented. See **Appendix I** for a sample construction management plan element inspection sheet to be completed by both the Traffic Control Company and the General Contractor.

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 project site through gates along South Street. These gates will always remain unlocked when workers are on site to allow emergency response units to access the site.

4.1.8 Traffic Control Plan

During the excavation phase, a portion South Street will have restricted traffic flow and pedestrian traffic will be required to take a temporary detour. This is dependent on the approval of HRM Development and Traffic Authorities

Emergency vehicle access to the project site will always be maintained throughout the life of the project. Traffic Control Plans, Encroachment Plans, and Haul Route Plan are provided in **Appendix A**.

4.1.9 Haul Route Plan

A Haul Route Plan (HRP) is provided in **Appendix A** 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

During construction, on-street parking will not be affected.

Parking Stall Removal

No on-street parking stalls will be removed.

Contractor Parking

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

Out-of-Service Parking Meter Fees

No parking stalls will be out of service.

Temporary Parking

No temporary parking is required.

Net Parking Loss

There will be no net parking loss.

Parking Signage

No parking signage is required.

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 **RMHC** have prepared a Pedestrian Management Plan (PMP) to assist pedestrians in navigating their way around this project site during temporary sidewalk closures. These temporary closures are required to construct the foundation of the building and make connections to water, sanitary and stormwater infrastructure within South Street. An additional closure will be required when the curb and gutter and sidewalk is reinstated. These plans are provided in **Appendix A**.

4.2.1 Bus Stop Relocation

No bus stop relocation is required.

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 J** for Pedestrian Hazard Assessment information.

4.2.4 Pedestrian Management Plan Preparation & Monitoring

A single Pedestrian Management Plan (PMP) has been prepared by DesignPoint's certified temporary workplace signer (TWS), Adam Leahy (902-832-5597). The PMPs illustrate the proposed signage which will be installed to warn pedestrian traffic ahead of and throughout the construction zone. Pedestrian management features and methods as well as information related to the PMPs are provided in **Section 5.3** and in **Appendix A**.

4.2.5 Notifications of Pedestrian Closures

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

4.2.6 Pedestrian Management Plan Compliance

The PMP shall be implemented and monitored by the **General Contractor**. Construction warning signage will be displayed throughout the approaches to, and adjacent to, the project site. The **General**

Contractor 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. See **Appendix I** for a sample construction management plan element inspection sheet to be completed by the **General Contractor**.

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

A Pedestrian Management Plans (PMP) has been prepared by DesignPoint's certified temporary workplace signer (TWS), Adam Leahy (902-832-5597). A single PMP has been prepared for construction activities that will temporarily interfere with the sidewalk and roadway. The Pedestrian Management Plan illustrates the pedestrian route that bypasses the construction zone and signs which will be erected to warn and direct pedestrians in a safe and convenient manner.

4.2.9 Pre-Project Hazard Assessment

See **Appendix J** for vehicular and pedestrian hazard assessment information which validates **RMHC's** rationale for requiring street encroachments.

4.2.10 Visually Impaired Persons

Sawhorse barricades painted "safety orange" will be located at all termination points along pedestrian routes to assist all pedestrians, especially visually impaired persons. These sawhorse barricades will be constructed complete with an orange-painted wooden 2" x 4" board complete with text indicating "No Crossing" which will be fixed along the bottom of the sawhorse barricade for cane detection.

4.2.11 Accessibility

All pedestrian routes shall be barrier-free, utilizing existing curb cuts and sidewalk ramps.

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 delineate the development site from the public right of way. This fence will be drilled and bolted into the surfaces of out-of-service concrete curbs or

sidewalks or anchored into F-Type barriers, see Appendix A. It will be the contractor's responsibility to regularly inspect the rigid fences to ensure their continued structural integrity. The remainder of the site will be surrounded by modular fencing. Any deficiencies in fencing must be addressed immediately to prevent pedestrians from entering the project site through holes. The fence structure will be sufficiently strong such that it cannot be moved, removed, or overturned without the use of tools.

5.1.3 Translucent Mesh

Within 2 m of the public ROW, rigid fencing will be covered with a translucent mesh, a minimum of 1.8 m high, to help control dust and minimize noise.

5.1.4 Hoarding

No solid plywood hoarding will be used as part of this project.

5.1.5 Covered Ways

No covered walkways will be used as part of this project.

5.1.6 Snow Removal

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.

The contractor will be responsible to remove snow and ice as required to ensure that emergency access is maintained to the project site.

The contractor is responsible to remove snow build up on the outside of concrete barriers and within temporary sidewalks.

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 South Street, the site will be accessible through two separate gates on the shared driveway. These gates are the only locations 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 not to restrict emergency response units from accessing the site.

5.1.9 View Ports

The contractor shall include cut-out viewing ports complete with a transparent shield in all solid hoarding to allow for public viewing. These viewing ports will be spaced at no greater than 20 m apart.

5.1.10 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
6. Parking meters to be reinstated to existing conditions and any damaged parking meters replaced to existing conditions or better.

5.2 SITE PROTECTION AESTHETICS

Throughout all phases of the project, the contractor shall regularly inspect the project site and adjacent areas and keep these 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

Pedestrian Management Plan Renderings (PMPRs) will not be used during construction.

5.3.2 Pedestrian Detour Wayfinding

Wayfinding signs will not be used during construction.

5.3.3 Pedestrian Detour

Temporary detour signs will be mounted at the locations identified on the PMP to assist pedestrians in navigating around the project site. Detour signs will be located at pedestrian pinch points to give pedestrians advanced warnings to possible obstructions due to construction activities. Detour sign locations can be found in **Appendix A**.

5.3.4 Project Information Boards

Project information boards will be mounted to the wooden portion of the site hoarding at the location identified on the Site Management Plan (**Appendix A**) to keep the public informed of general project details and project contact information. A sample project information board is provided in **Appendix B**.

Information board should be made from a weatherproof material and secured to site hoarding using screws (or another approved equivalent). The sign should be at least 1000mm X 1000mm.

6.0 LIFTING, HOISTING AND CRANE OPERATIONS

6.1 NAVIGATION CANADA & TRANSPORT CANADA REGULATORY APPROVALS

This will be determined when a contractor is selected.

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 be registered members in good standing with the Nova Scotia Construction Safety Association or equivalent. 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 kits will be made available at the project site and site office and locations of first aid kits will be prominently posted and communicated to all on-site workers and visitors. In addition, fire extinguishers, burn kits and spill kits will always remain available on site. The contractor will be responsible to carry out regular inspection of first aid kits, fire extinguishers, and burn kits and to note any deficiencies and replenish kits as required for any missing or used items.

7.1.1 Access & Egress Gates

Signs identifying the gates as “**Gate 1**”, “**Gate 2**” ect. will be prominently posted as per the TCPs (see **Appendix A**). 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 to the fencing adjacent to the gates; 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 when 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. A warning of potential fines will be included for those who violate PPE requirements.

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 J** for vehicular and pedestrian hazard assessment information.

Hot Works

Hot works will be undertaken a minimum of 3 m inside the project site property boundary. During hot works, the contractor will ensure that a first aid kit and fire extinguisher are readily available (in addition to the first aid kits and fire extinguishers identified in **Section 7.1**) in the immediate vicinity of the work such. In addition, hot works will be undertaken away from heavy equipment and heavy equipment routes.

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, **Catalysts** and the **General Contractors** emergency contact information will be prominently posted on the project information board.

7.1.8 After-hours Lighting

No additional after-hours lighting is expected at this time.

7.1.9 Smoking Area

The project will be following the smoke free act. A designated smoking area will be defined on logistics plans.

7.1.10 Fire Suppression System

Since this a new build and the sprinkler system will not be operational until just before occupancy. It is understood that information on the fire suppression system is not required in the CMP.

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 J** for vehicular and pedestrian hazard assessment information.

7.3 ENVIRONMENTAL CONTROLS

7.3.1 Street & Right-of-Way Cleaning

The contractor will be required to sweep streets and travel ways in and around the project site as required. The contractor will also be responsible to remove snow on the street side of 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 treated and pumped to an adjacent catch basin in accordance with HRM Bylaw W-101. The proposed construction will not cause negative impacts to the storm systems or affect drainage paths.

7.3.3 Noise Pollution

The contractor will always adhere to the HRM Noise Bylaw (N-200). No noise will take place on the project site outside those hours identified in **Section 2** of this report.

No additional noise mitigation will be undertaken at this time.

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 swept clean when necessary;
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 as much as possible. Vehicles will be staged so that idling will not occur. Note that, unless a vehicle motor is required to run to complete work functions (concrete / pumper trucks). 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; **RMHC** has engaged **Abell Pest Control**, to help mitigate this. Abell 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 Credentials

Abell Pest Control 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. Auxiliary buildings will remain locked and secure during all non-work hours and sewer laterals to be removed will be removed in a prompt and timely manner such that they do not provide safe refuge for rodents. In addition, standing water will be promptly pumped off-site to abate attractive conditions for rodent habitation.

See the Site Management Plan drawing in **Appendix A** 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 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 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, Abell 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

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.

8.0 COMMUNITY ENGAGEMENT & NOTIFICATION

8.1 COMMUNITY ENGAGEMENT

When a general contractor and a project commencement is selected a community consultation meeting will be held; an invite will be advertised in local newspaper two weeks in advance of the meeting. Project team members will be present at the meeting to discuss with attendees and respond to questions. Lastly, an information sign, visible from the public street, will be installed.

A public consultation meeting minute template is provided in **Appendix E**. These meeting minutes outline who attended the meeting, what materials were presented to the public, notes on discussions that took place, requests by and specific needs for the community and businesses, the chance to sign up for monthly project notifications, and how the owner and contractor plans to take the gathered information to work in harmony with the public.

8.2 SCHEDULED COMMUNITY NOTIFICATIONS

As mentioned in **Section 8.1**, monthly project updates will be distributed to those signed up to receive project notifications. These notifications will be sent on or before the fifth day of each month. These notification letters will include:

1. The date the letter is sent;
2. The development name and owner and contractor contact information;
3. Brief updates on project progress;
4. Brief updates on expected upcoming construction activities that may affect the community;
5. Specific details of any work within the ROW that is to occur outside of the approved encroachment that may result in additional traffic control measures or closures; and
6. Any other relevant information.

It will be the owner's responsibility to provide further communication as required by the community including providing communication through additional media forms (letters, additional community consultation meetings, etc.) as required by community members. A sample Monthly Project Update Letter is provided in **Appendix F**.

8.3 CLOSURE NOTIFICATION REQUIREMENTS

Public service interruptions will adhere to the requirements of the HRM Traffic Control Manual Supplement. 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. A Draft Notification Letter is provided in **Appendix C**.

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,

Adam Leahy, P.Eng.

APPENDICES

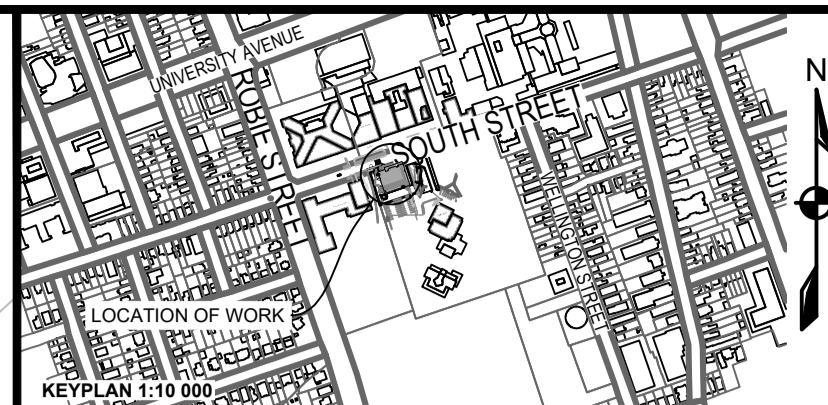
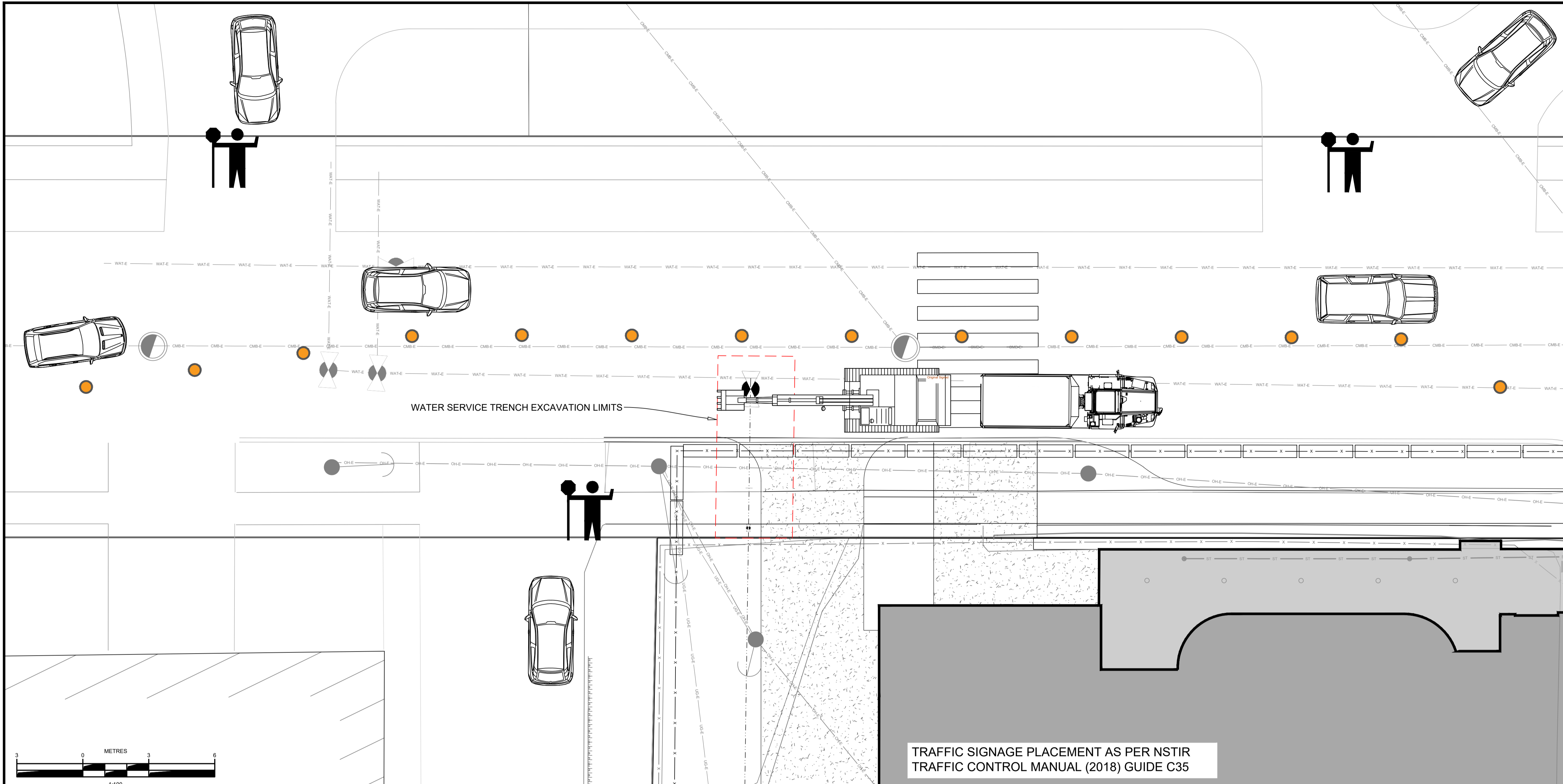
APPENDIX A –CMP DRAWINGS

Encroachment Plans

Pedestrian Management Plan

Haul Route Plan

Site Management Plan



| LEGEND | | |
|----------|-----------------|----------|
| EXISTING | | PROPOSED |
| --- | RIGHT OF WAY | --- |
| --- | LOT LINE | --- |
| --- | PEDESTRIAN PATH | --- |
| --- | HAUL ROUTE | --- |
| --- | HAUL ROUTE | --- |
| --- | STREET SIGN | --- |
| --- | STREET TREE | --- |

NOTES:

1. ALL TEMPORARY WORKPLACE TRAFFIC CONTROL DEVICES AND SIGNAGE TO BE IN PLACE AS PER THE NOVA SCOTIA TEMPORARY WORKPLACE TRAFFIC CONTROL MANUAL (LATEST EDITION).
2. ALL EXTERNAL PROPERTY LINES AND RIGHT OF WAYS ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO SURVEY.
3. ALL EXISTING BUILDING OUTLINES ARE SHOWN FOR REFERENCE ONLY.
4. TRENCH EXCAVATION LIMITS ARE SHOWN AS REFERENCE ONLY; EXACT TRENCH EXCAVATION LIMITS MAY VARY.

NOTE:
DESIGNPOINT TEMPORARY WORKPLACE SIGNER ADAM LEAHY - 902-832-5597

| ISSUE | DATE | DESCRIPTION |
|-------|----------------|-------------------|
| 1 | APRIL 16, 2021 | ISSUED FOR REVIEW |

CONSULTANT

DESIGN POINT
ENGINEERING & SURVEYING

PHONE: 902.832.5597 www.designpoint.ca

CLIENT

PROJECT DESCRIPTION

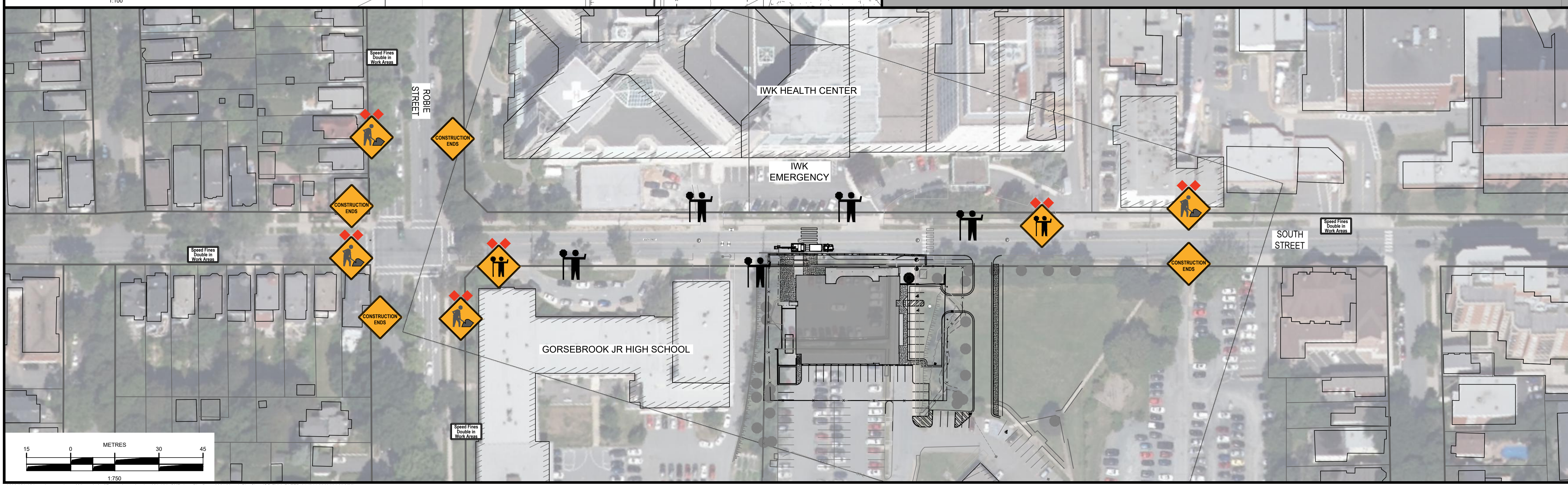
RONALD MCDONALD HOUSE

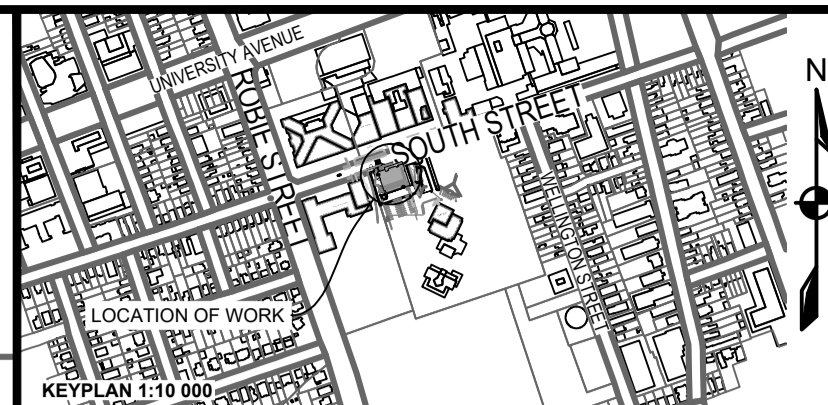
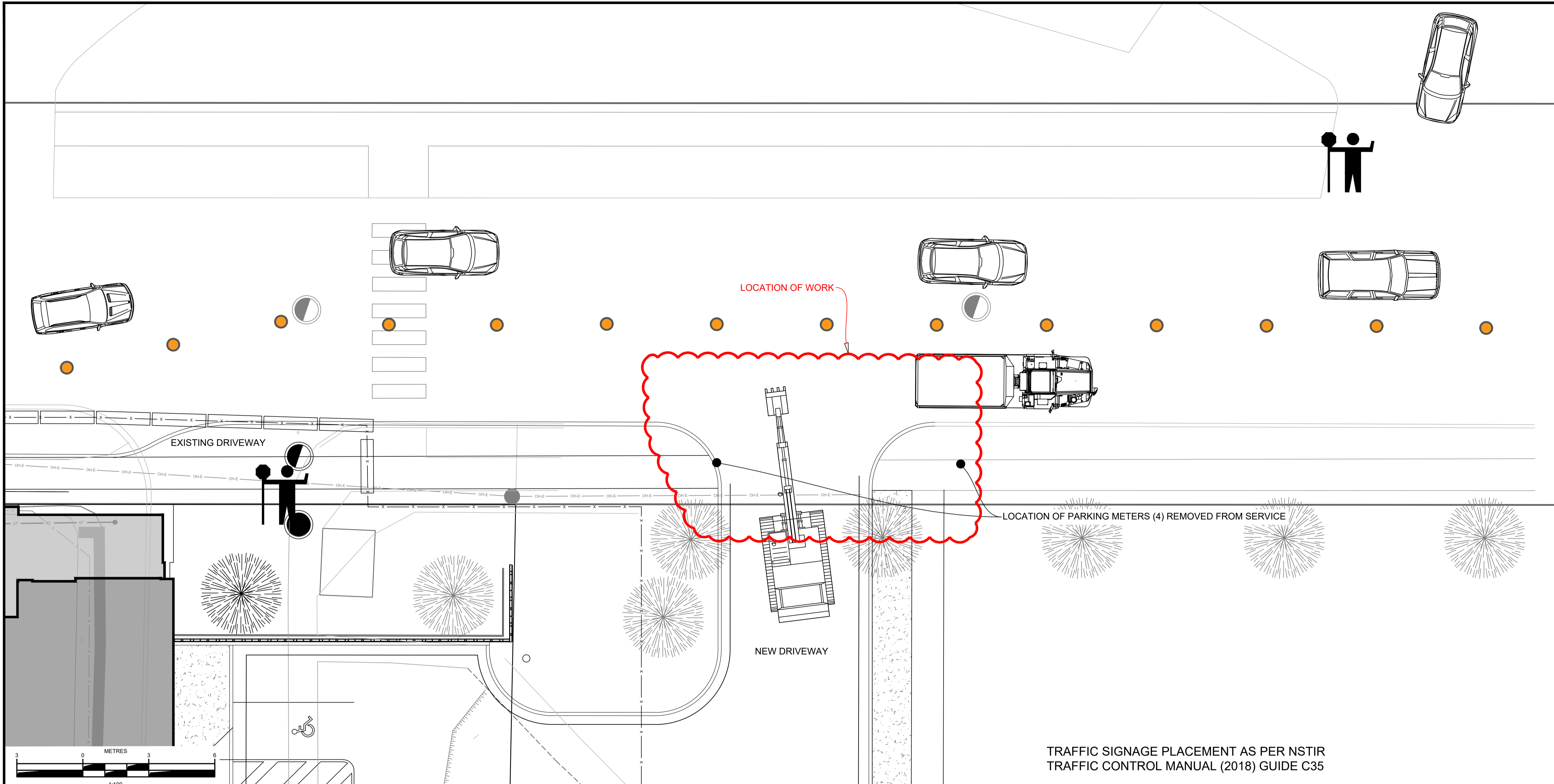
HALIFAX, NOVA SCOTIA

SHEET DESCRIPTION

EXCAVATION ENCROACHMENT PLAN
WATER SERVICE CONNECTION
EAST BOUND LANE CLOSURE

| | | | |
|------------------|----------------------------|-----------------------|------------------------|
| Drawn A.LEAHY | Engineer N.FOUGERE | Project No. 21-124 | Drawing No. CMP-100 |
| Scale VARIES | Filename 21-124_CMP.dwg | | 1 of 7 |





| LEGEND | | |
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| [Dotted line] | LOT LINE | [Dotted line] |
| [Dashed line] | PEDESTRIAN PATH | [Dashed line] |
| [Dotted line] | HAUL ROUTE | [Dotted line] |
| [Dotted line] | HAUL ROUTE | [Dotted line] |
| [Circle with cross] | STREET SIGN | [Circle with cross] |
| [Circle] | STREET TREE | [Circle] |

NOTES:

1. ALL TEMPORARY WORKPLACE TRAFFIC CONTROL DEVICES AND SIGNAGE TO BE IN PLACE AS PER THE NOVA SCOTIA TEMPORARY WORKPLACE TRAFFIC CONTROL MANUAL (LATEST EDITION).
2. ALL EXTERNAL PROPERTY LINES AND RIGHT OF WAYS ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO SURVEY.
3. ALL EXISTING BUILDING OUTLINES ARE SHOWN FOR REFERENCE ONLY.
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NOTE:
DESIGNPOINT TEMPORARY WORKPLACE SIGNER ADAM LEAHY - 902-832-5597

| ISSUE | DATE | DESCRIPTION |
|-------|----------------|-------------------|
| 1 | APRIL 16, 2021 | ISSUED FOR REVIEW |

CONSULTANT

DESIGN POINT
ENGINEERING & SURVEYING

PHONE: 902.832.5597 www.designpoint.ca

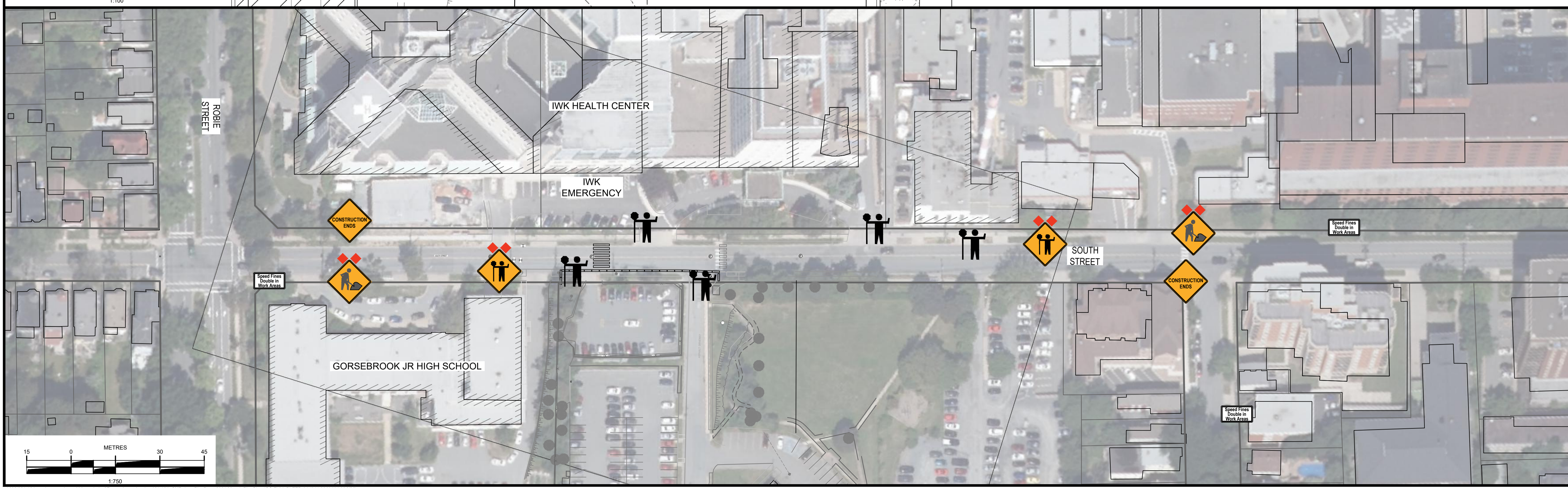
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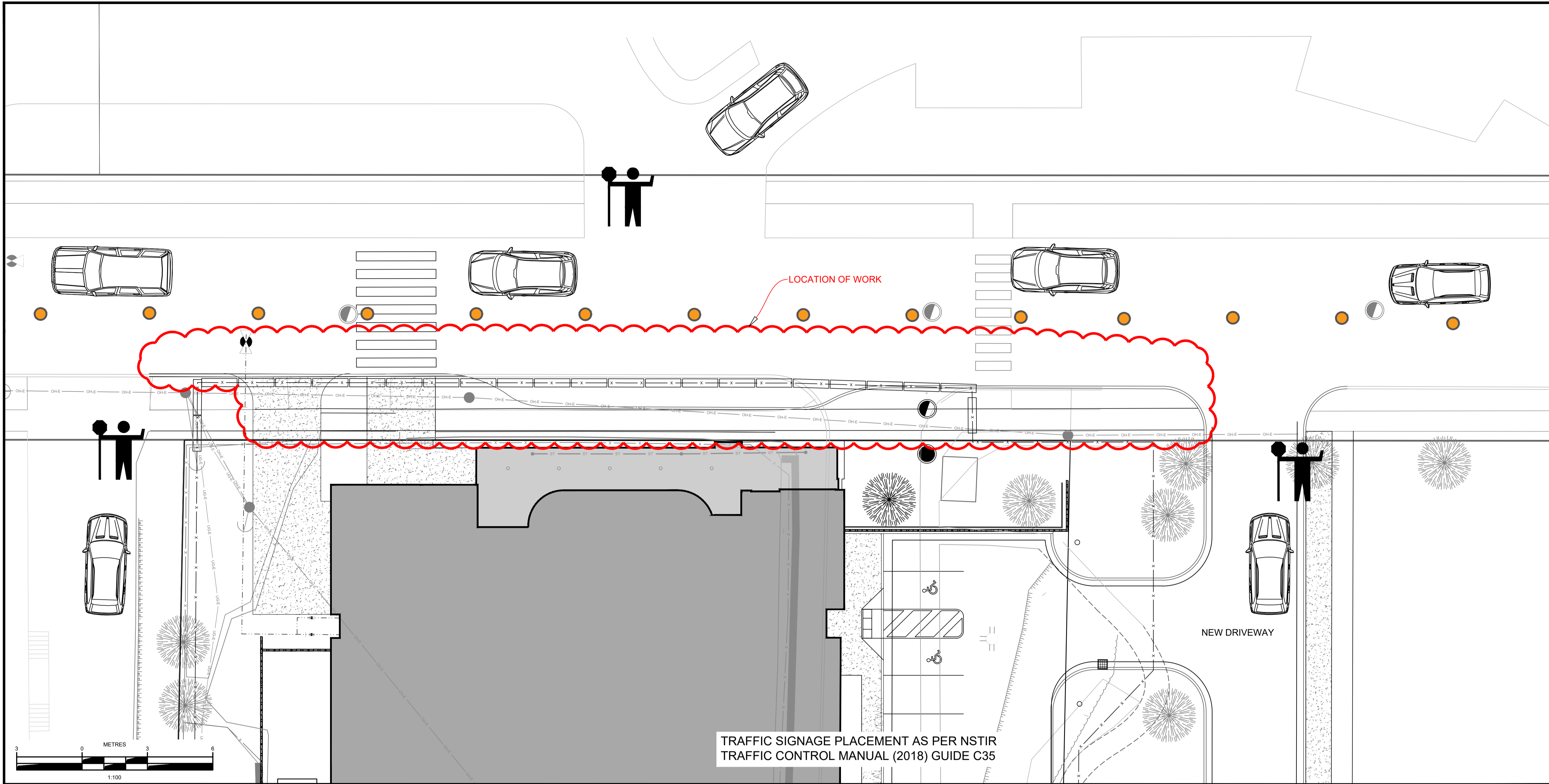
PROJECT DESCRIPTION

RONALD MCDONALD HOUSE
HALIFAX, NOVA SCOTIA
SHEET DESCRIPTION

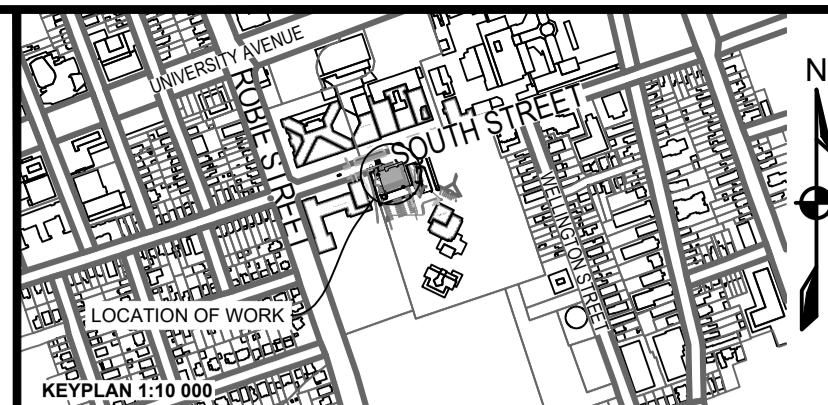
EXCAVATION ENCROACHMENT PLAN
NEW DRIVEWAY
EAST BOUND LANE CLOSURE

| | | | |
|------------------|----------------------------|-----------------------|------------------------|
| Drawn A.LEAHY | Engineer N.FOUGERE | Project No. 21-124 | Drawing No. CMP-101 |
| Scale VARIES | Filename 21-124_CMP.dwg | 2 of 7 | |





TRAFFIC SIGNAGE PLACEMENT AS PER NSTIR
TRAFFIC CONTROL MANUAL (2018) GUIDE C35



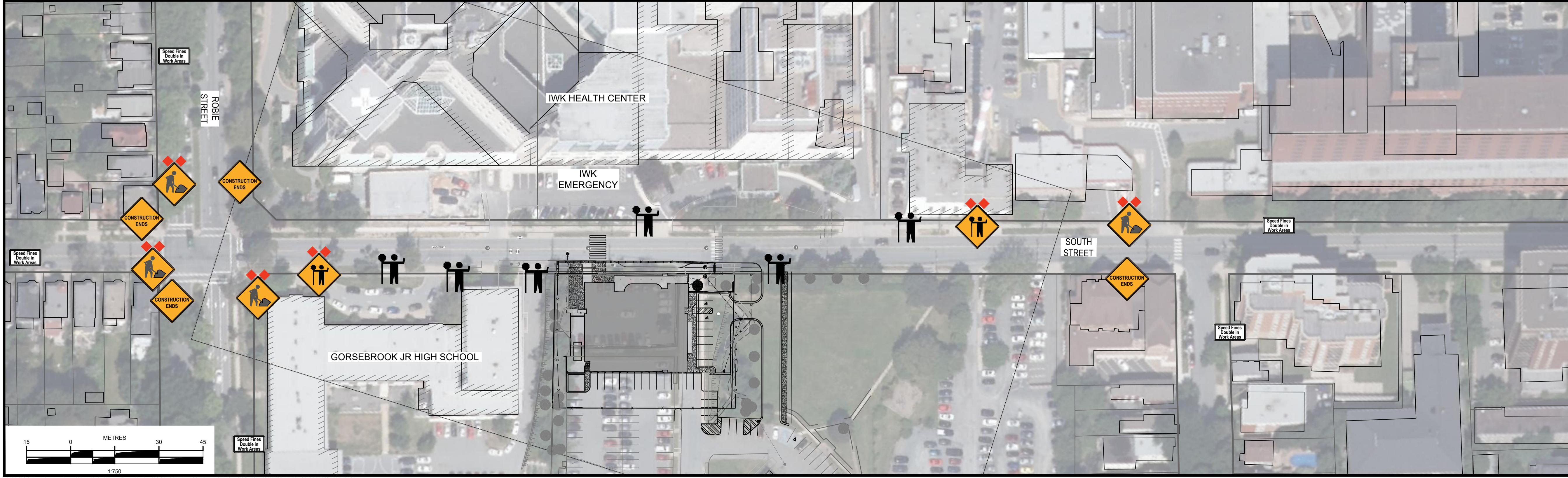
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| EXISTING | | PROPOSED |
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| --- | STREET SIGN | --- |
| --- | STREET TREE | --- |

- NOTES:
1. ALL TEMPORARY WORKPLACE TRAFFIC CONTROL DEVICES AND SIGNAGE TO BE IN PLACE AS PER THE NOVA SCOTIA TEMPORARY WORKPLACE TRAFFIC CONTROL MANUAL (LATEST EDITION).
 2. ALL EXTERNAL PROPERTY LINES AND RIGHT OF WAYS ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO SURVEY.
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 4. TRENCH EXCAVATION LIMITS ARE SHOWN AS REFERENCE ONLY; EXACT TRENCH EXCAVATION LIMITS MAY VARY.
- NOTE:
DESIGNPOINT TEMPORARY WORKPLACE SIGNER ADAM LEAHY - 902-832-5597

| ISSUE | DATE | DESCRIPTION | CONSULTANT |
|-------|----------------|-------------------|------------|
| 1 | APRIL 16, 2021 | ISSUED FOR REVIEW | |

DESIGN POINT
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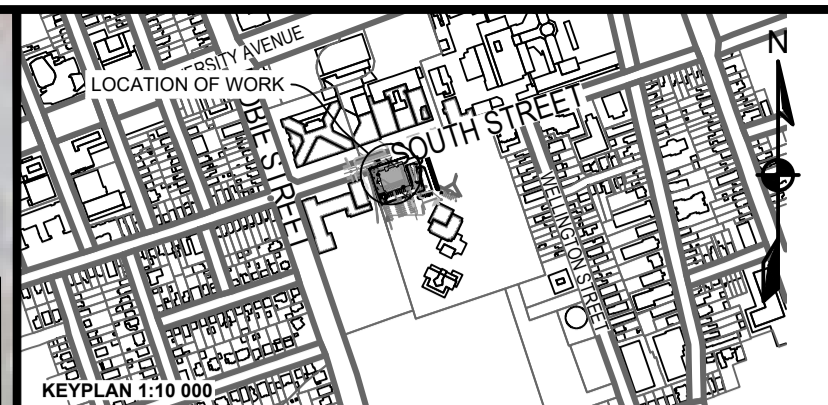
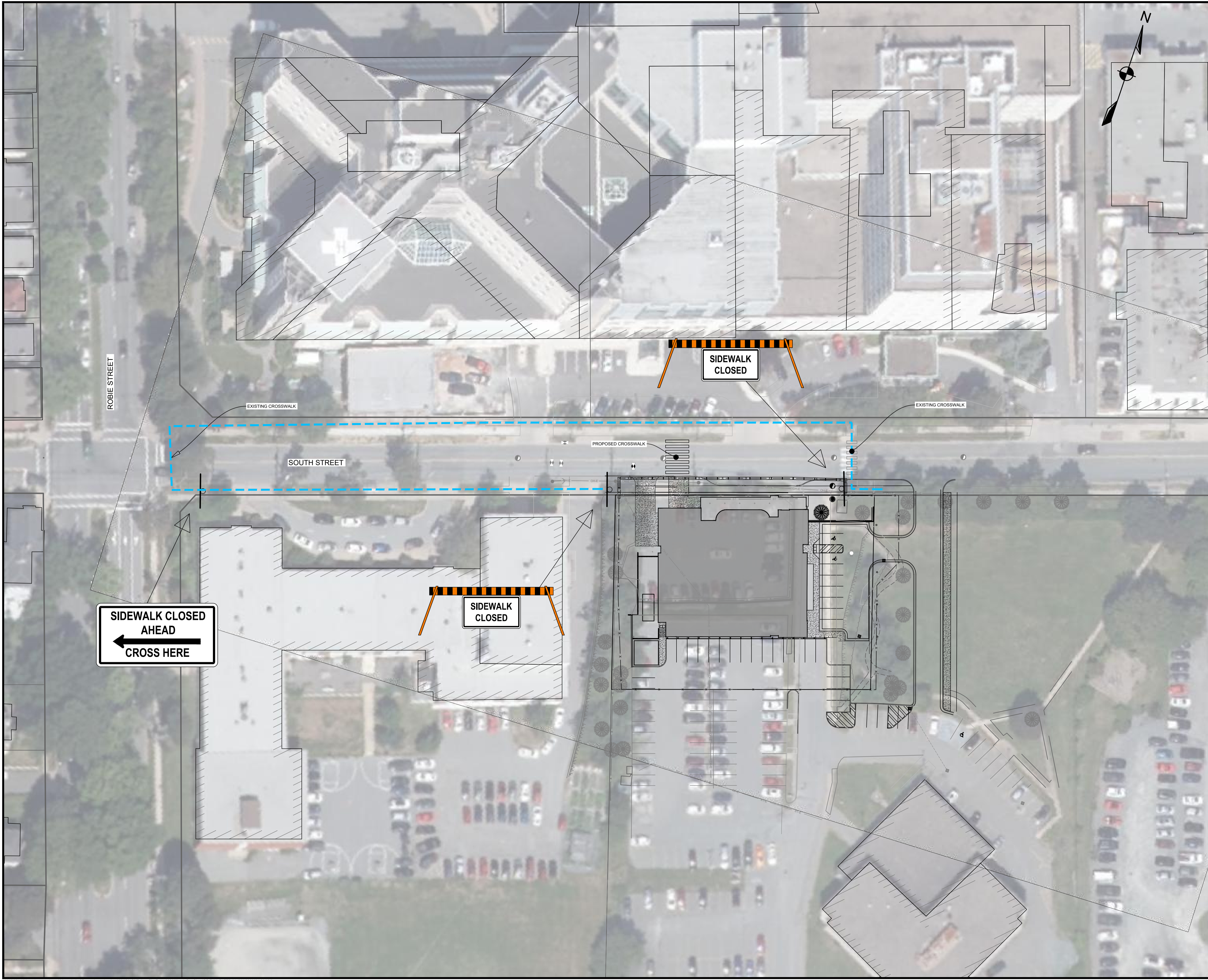
CLIENT

PROJECT DESCRIPTION

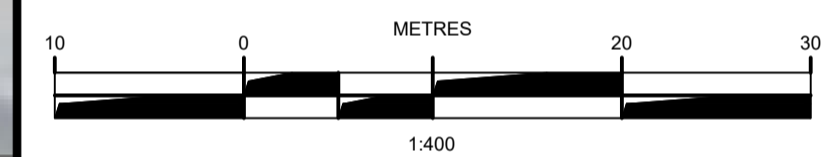
RONALD MCDONALD HOUSE
HALIFAX, NOVA SCOTIA
SHEET DESCRIPTION

EXCAVATION ENCROACHMENT PLAN
PHASE 3
NORTH BOUND LANE REDUCTION

| | | | |
|------------------|----------------------------|-----------------------|------------------------|
| Drawn A.LEAHY | Engineer N.FOUGERE | Project No. 21-124 | Drawing No. CMP-102 |
| Scale VARIES | Filename 21-124_CMP.dwg | | 3 of 7 |



| LEGEND | | |
|---------------------|-----------------|---------------------|
| EXISTING | | PROPOSED |
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| [Thin solid line] | LOT LINE | [Thin solid line] |
| [Dashed blue line] | PEDESTRIAN PATH | [Dashed blue line] |
| [Dotted red line] | HAUL ROUTE | [Dotted red line] |
| [Circle with cross] | STREET SIGN | [Circle with cross] |
| [Circle] | STREET TREE | [Circle] |



| ISSUE | DATE | DESCRIPTION |
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CONSULTANT

PHONE: 902.832.5597 www.designpoint.ca

CLIENT

PROJECT DESCRIPTION

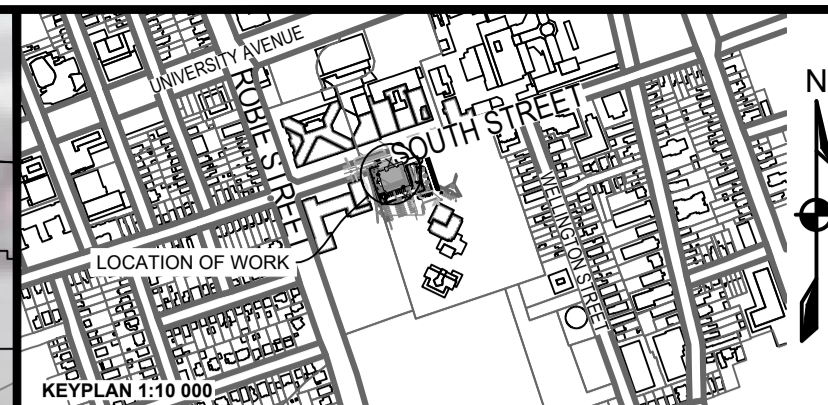
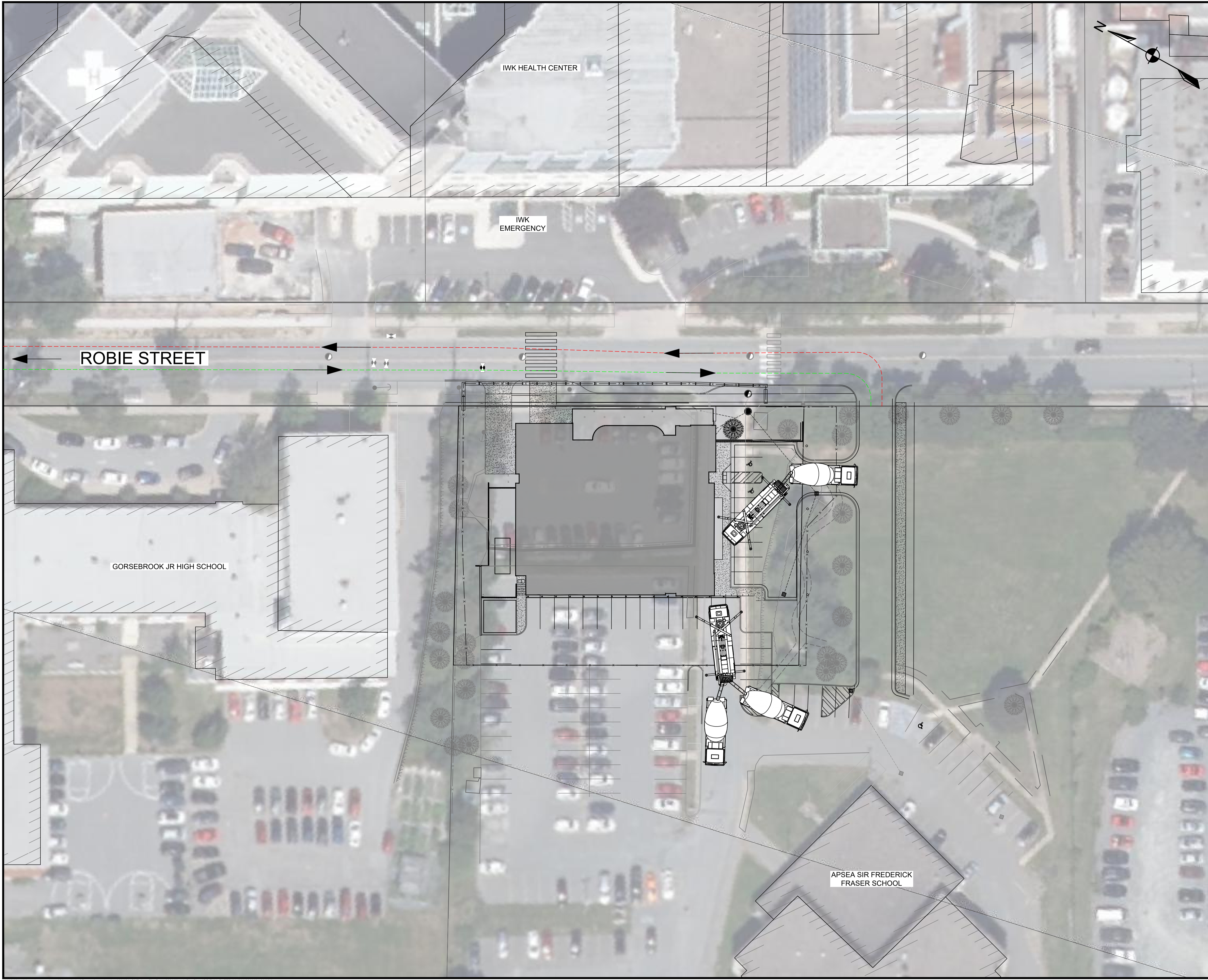
RONALD MCDONALD HOUSE

HALIFAX, NOVA SCOTIA

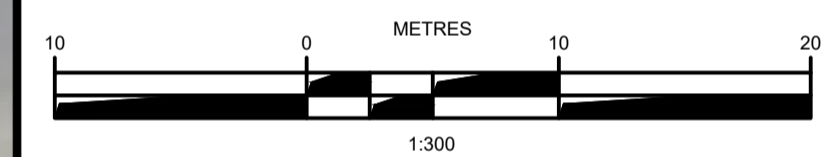
SHEET DESCRIPTION

PEDESTRIAN MANAGEMENT PLAN

| | | | |
|------------------|----------------------------|-----------------------|-------------------------------|
| Drawn A.LEAHY | Engineer N.FOUGERE | Project No. 21-124 | Drawing No. CMP-103 |
| Scale VARIES | Filename 21-124_CMP.dwg | 4 of 7 | |



| LEGEND | | |
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| EXISTING | | PROPOSED |
| | RIGHT OF WAY | |
| | LOT LINE | |
| | PEDESTRIAN PATH | |
| | HAUL ROUTE | |
| | STREET SIGN | |
| | STREET TREE | |



| ISSUE | DATE | DESCRIPTION |
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| 1 | APRIL 16, 2021 | ISSUED FOR REVIEW |

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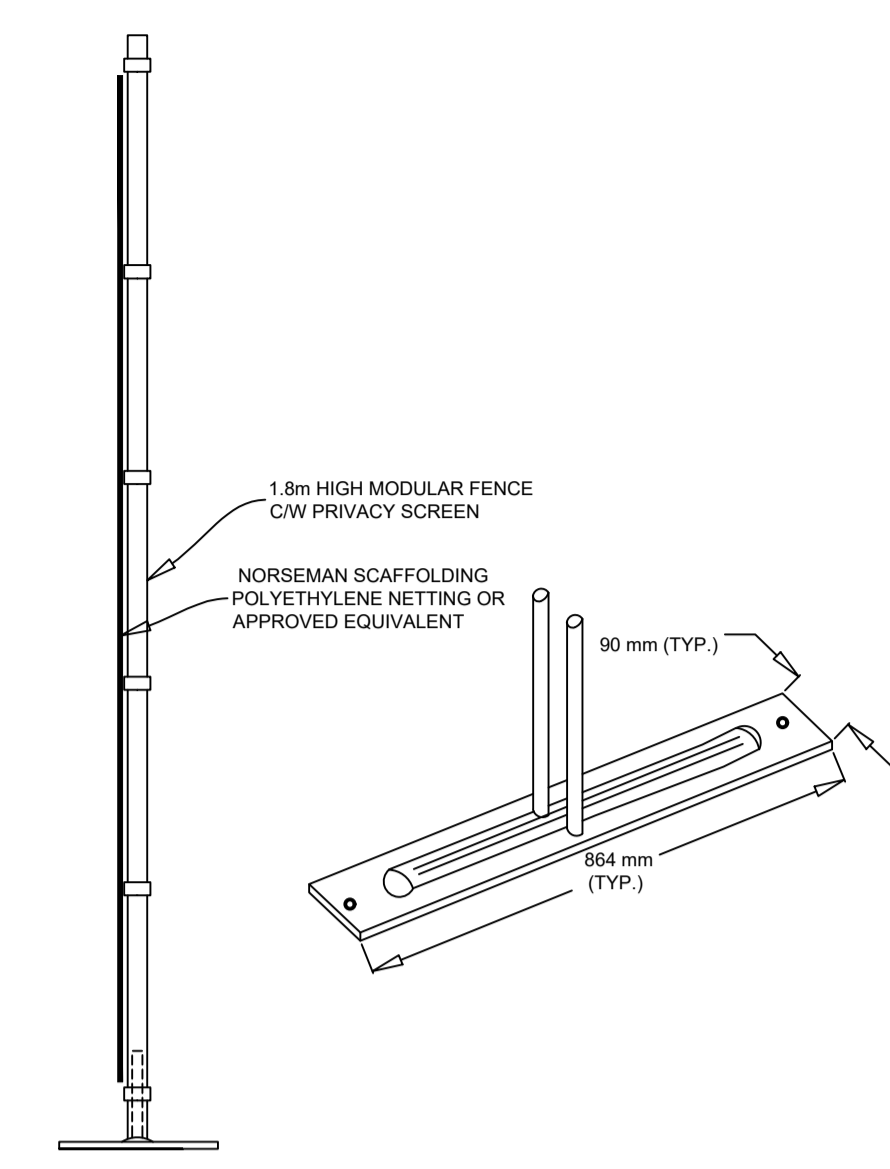
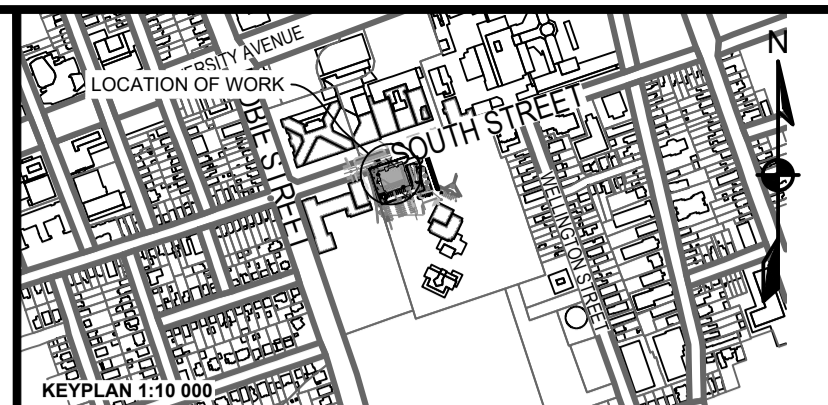
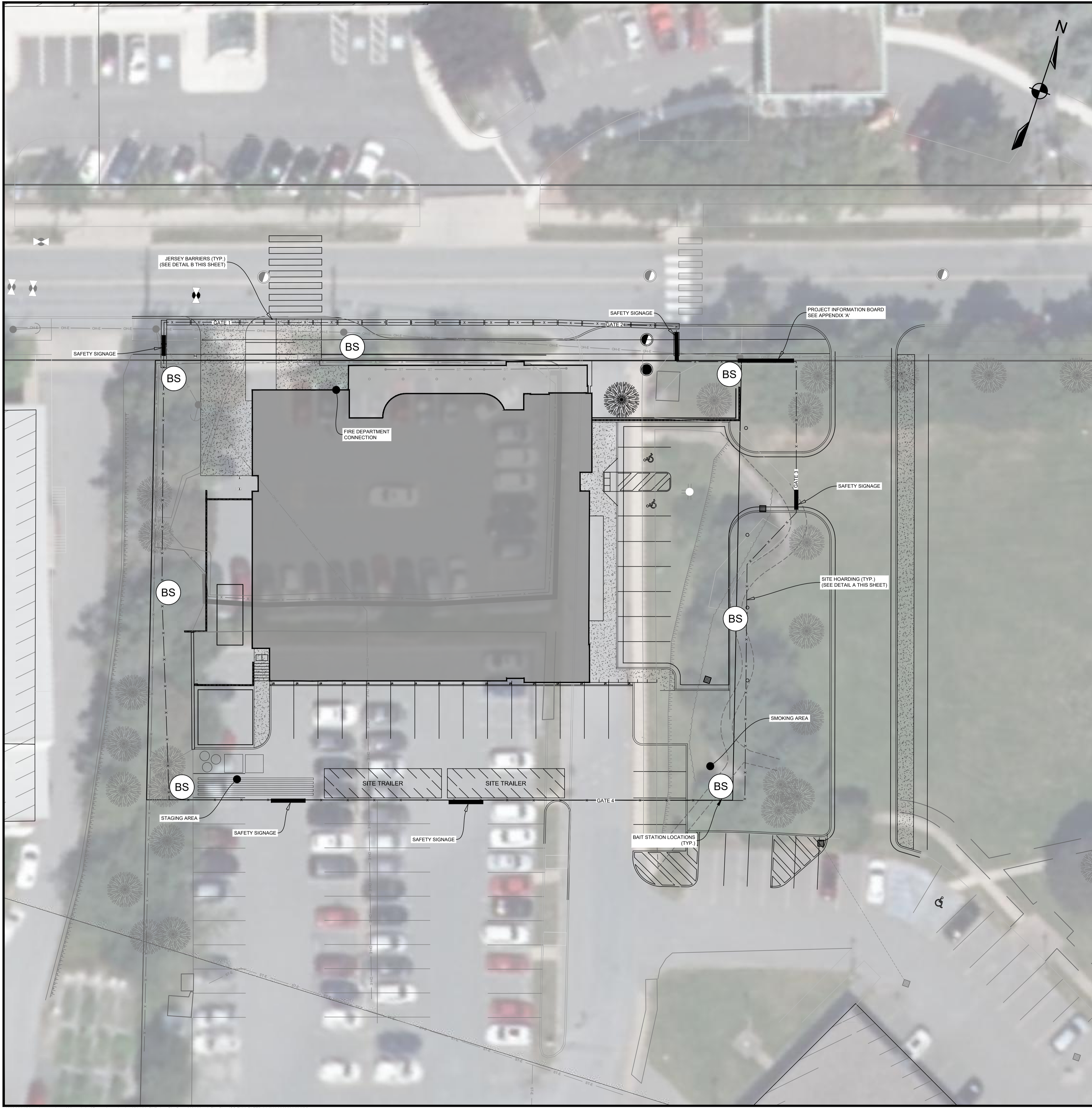
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PROJECT DESCRIPTION

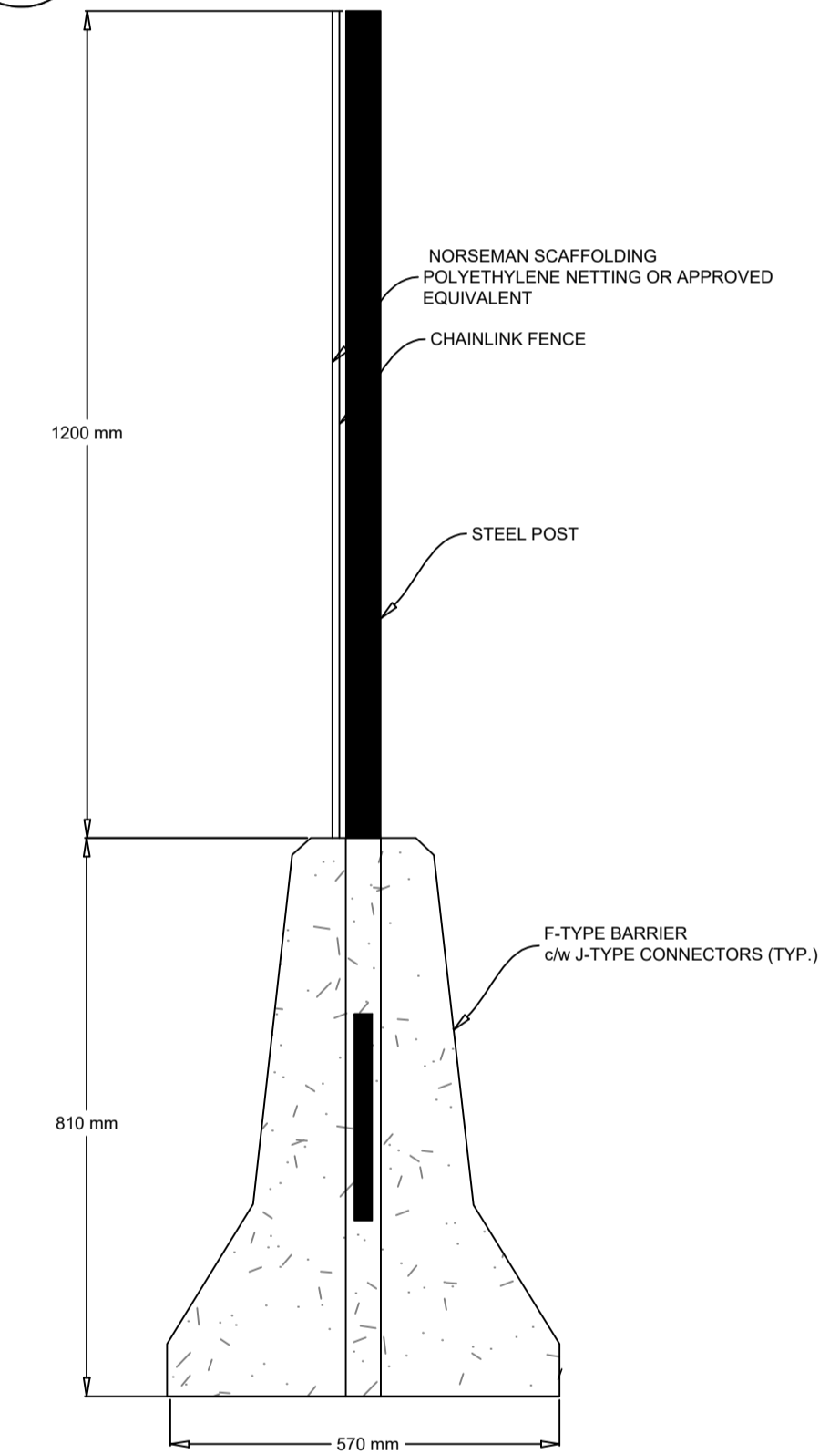
RONALD MCDONALD HOUSE
 HALIFAX, NOVA SCOTIA
 SHEET DESCRIPTION

HAUL ROUTE PLAN

| | | | |
|------------------|----------------------------|-----------------------|-------------------------------|
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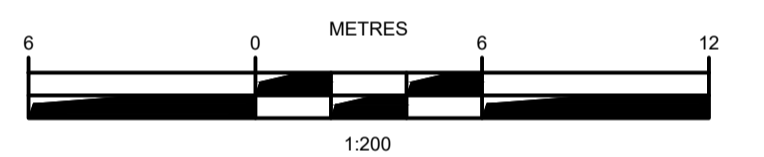
A SITE HOARDING DETAIL (TYP.)
6 N.T.S



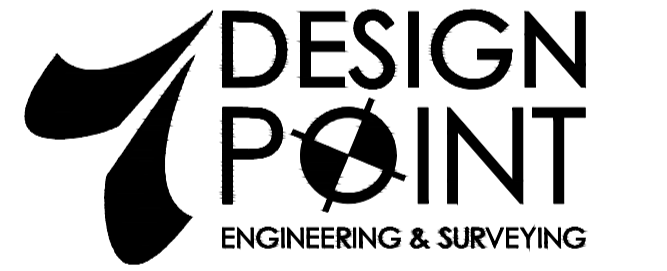
B JERSEY BARRIER DETAIL (TYP.)
6 N.T.S



C SITE SAFETY SIGNAGE (TYP.)
6 N.T.S



| ISSUE | DATE | DESCRIPTION |
|-------|----------------|-------------------|
| 1 | APRIL 16, 2021 | ISSUED FOR REVIEW |



PHONE: 902.832.5597 www.designpoint.ca

| | |
|------------|--|
| CONSULTANT | |
| CLIENT | |

| |
|-----------------------|
| PROJECT DESCRIPTION |
| RONALD MCDONALD HOUSE |
| HALIFAX, NOVA SCOTIA |
| SHEET DESCRIPTION |
| SITE MANAGEMENT PLAN |

| | | | |
|------------------|----------------------------|-----------------------|------------------------|
| Drawn A.LEAHY | Engineer N.FOUGERE | Project No. 21-124 | Drawing No. CMP-105 |
| Scale 1:200 | Filename 21-124_CMP.dwg | 6 of 7 | |

APPENDIX B – DEVELOPMENT INFORMATION SIGN

Institutional Development

South Street



Summer 2021 – Winter 2022

Owner:

Ronald McDonald House Charities Atlantic

5940 South Street, Halifax, Nova Scotia

24 Hour Emergency Contact

Lori Barker

CEO, RMHC Atlantic

902-222-5559

Contractor:

Name

Address

24 Hour Emergency Contact

Name

Title

Number

APPENDIX C – DRAFT NOTIFICATION LETTER



Institutional Development

Draft Notification Letter

Ronald McDonald House Charities Atlantic

5940 South Street, Halifax, Nova Scotia

Lori Barker, CEO, RMHC Atlantic – 902-222-5559

Date

NOTIFICATION OF UTILITY DISRUPTION: SOUTH STREET, HALIFAX, NOVA SCOTIA

This is to inform you that to facilitate construction operations in association with the Institutional Development project, Utility Disruptions will occur on or about DATE with an anticipated duration of approximately TIME.

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

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

CONTACT INFORMATION:

| | | | |
|-----------------------|---------|-------|--------|
| Construction Manager: | Company | | |
| | Name | Title | Number |

Our company has been retained by Ronald McDonald House Charities Atlantic as the Construction Manager to complete work on the Institutional Development. Should any questions arise throughout construction, please feel free to contact the undersigned.

Yours Truly,

Name

Company

APPENDIX D – SAMPLE NOTIFICATION LETTER



Institutional Development

Draft Notification Letter

Ronald McDonald House Charities Atlantic

5940 South Street, Halifax, Nova Scotia

Lori Barker, CEO, RMHC Atlantic – 902-222-5559

Date

NOTIFICATION OF UTILITY DISRUPTION: SOUTH STREET, HALIFAX, NOVA SCOTIA

This is to inform you that to facilitate construction operations in association with the Institutional Development project, Utility Disruptions will occur on or about DATE with an anticipated duration of approximately TIME.

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

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

CONTACT INFORMATION:

| | | | |
|-----------------------|---------|-------|--------|
| Construction Manager: | Company | | |
| | Name | Title | Number |

Our company has been retained by Ronald McDonald House Charities Atlantic as the Construction Manager to complete work on the Institutional Development. Should any questions arise throughout construction, please feel free to contact the undersigned.

Yours Truly,

Name

Company

APPENDIX E – COMMUNITY CONSULTATION MEETING MINUTES

Community Consultation Meeting Minutes Template

Institutional Development - South Street

Owner: Ronald McDonald House Charities Atlantic Date: _____
Contractor: Contractor _____
Architect: Lydon Lynch Architects _____
Civil/CMP: Designpoint _____

COMMUNITY CONSULTATION MEETING MINUTES

Attendees: _____

Meeting Minutes _____
Project Status: _____

Old Business: _____

New Business: _____

Notekeeper: _____ Signature: _____

Representative: _____ Signature: _____

APPENDIX F– MONTHLY PROJECT UPDATE LETTER



Institutional Development

DRAFT MONTHLY PROJECT UPDATE LETTER

Ronald McDonald House Charities Atlantic
5940 South Street, Halifax, Nova Scotia

Lori Barker, CEO, RMHC Atlantic – 902-222-5559

Date

This is to inform you that construction is ongoing for the Institutional Development project. In the past month, the concrete for the second floor was poured and work continued in the interior of the building.

Next month Contractor plans to pour the third-floor concrete. No street or service disruptions are expected at this time.

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

CONTACT INFORMATION:

| Construction Manager: | Company Name | Title | Number |
|-----------------------|-----------------|-------|--------|
|-----------------------|-----------------|-------|--------|

Our company has been retained by Ronald McDonald House Charities Atlantic as the Construction Manager to complete work on the Institutional Development. Should any questions arise throughout construction, please feel free to contact the undersigned.

Yours Truly,

Name

Company

APPENDIX G – RODENT CONTROL SPECIFICATIONS & TEMPLATES

Conrac Blox Specifications

Bait Trap Specifications



CONTRAC[®] BLOX KILLS RATS & MICE

SAFETY DATA SHEET

ACCORDING TO REGULATION:
GHS/WHMIS 2015

DATE OF ISSUE:
January 2020

PREPARED BY:
CAR

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: CONTRAC[®] BLOX KILLS RATS & MICE

PMRA Registration Number: 22239

Relevant identified uses: Anticoagulant Rodenticide

Uses advised against: Use only for the purpose described above

MANUFACTURER/SUPPLIER:

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

SECTION 2. HAZARDS IDENTIFICATION

WHMIS Classification: Not classified

Signal Word PMRA: Warning/Poison

Precautionary Statements: 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.



See Section 15 for information on PMRA applicable safety, health, and environmental classifications.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS No. | % By weight |
|---|-------------|-------------|
| Bromadiolone [3-[3-(4'-Bromo-[1,1'-biphenyl]-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxy-2H-1-benzopyran-2-one] | 28772-56-7 | 0.005% |
| Inert and Non-Hazardous Ingredients (Unlisted components are non-hazardous) | Proprietary | 99.995% |

SECTION 4. FIRST AID MEASURES

Description of first aid measures

Ingestion: Call physician or emergency number immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting unless instructed by physician.

Inhalation: Not applicable.

Eye contact: Hold eye open and rinse slowly with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If irritation develops, obtain medical assistance.

Skin contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. If irritation develops, obtain medical assistance.

Most important symptoms and effects, both acute and delayed

Ingestion of excessive quantities may cause nausea, vomiting, loss of appetite, extreme thirst, lethargy, diarrhea, bleeding.

Advice to physician: If ingested, administer Vitamin K₁ intramuscularly or orally as indicated for bishydroxycoumarin overdoses. Repeat as necessary as based upon monitoring of prothrombin times.

Advice to Veterinarian: For animals ingesting bait and/or showing poisoning signs (bleeding or elevated prothrombin times), give Vitamin K₁. If needed, check prothrombin times every 3 days until values return to normal (up to 30 days). In severe cases, blood transfusions may be needed.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media: water, foam or inert gas.

Unsuitable Extinguishing Media: None known.

Special hazards arising from the mixture: High temperature decomposition or burning in air can result in the formation of toxic gases, which may include carbon monoxide and traces of bromine and hydrogen bromide.

Advice for firefighters: Wear protective clothing and self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Collect spillage without creating dust.

Environmental precautions: Do not allow bait to enter drains or water courses. Where there is contamination of streams, rivers or lakes contact the appropriate environment agency.

Methods and materials for containment and cleaning up

For Containment: Sweep up spilled material immediately. Place in properly labeled container for disposal or re-use.

For Cleaning Up: Wash contaminated surfaces with detergent. Dispose of all wastes in accordance with all local, regional and national regulations.

Reference to other sections: Refer to Sections 7, 8 & 13 for further details of personal precautions, personal protective equipment and disposal considerations.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling: All handlers must wear long-sleeved shirt and long pants, shoes plus socks, and chemical resistant gloves when handling this product. Do not handle the product near food, animal foodstuffs or drinking water. Keep out of reach of children. Do not use near heat sources, open flame, or hot surfaces. As soon as possible, wash hands thoroughly after applying bait and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Conditions for safe storage, including any incompatibilities: 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.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Established Limits

| Component | OSHA | ACGIH | Other Limits |
|--------------|-----------------|-----------------|-----------------|
| Bromadiolone | Not Established | Not Established | Not Established |

Appropriate Engineering Controls: Not required

Occupational exposure limits: Not established

Personal Protective Equipment:

Respiratory protection: Not required

Eye protection: Not required

Skin protection: Not required

Hygiene recommendations: Wash thoroughly with soap and water after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | |
|--|------------------|
| Appearance/Color: | Blue wax block |
| Odor: | Sweet grain-like |
| Odor Threshold: | No Data |
| pH: | No Data |
| Melting point: | No Data |
| Boiling point: | No Data |
| Flash point: | No Data |
| Evaporation rate: | No Data |
| Flammability: | No Data |
| Upper/lower flammability or explosive limits: | No Data |
| Vapor Pressure: | No Data |
| Vapor Density: | No Data |
| Relative Density: | 1.13 g/mL @ 20°C |
| Solubility (water): | Negligible |
| Solubility (solvents): | No Data |
| Partition coefficient: n-octanol/water: | No Data |
| Auto-ignition temperature: | No Data |
| Decomposition temperature: | No Data |
| Viscosity: | No Data |

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Stable when stored in original container in a cool, dry location.

Chemical stability: Stable when stored in original container in a cool, dry location.

Possibility of hazardous reactions: Refer to Hazardous decomposition products

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

Incompatible materials: Avoid strongly alkaline materials.

Hazardous decomposition products: High temperature decomposition or burning in air can result in the formation of toxic gases, which may include carbon monoxide and traces of bromine and hydrogen bromide.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity

LD50, oral (ingestion): >5000 mg/kg (rats) (Bromadiolone Rat LD50 oral: 0.70 mg/kg bw).

LD50, dermal (skin contact): > 5001 mg/kg (rats) (Bromadiolone rabbit LD50 dermal: 1.71 mg/kg bw).

LC50, inhalation: Product is a wax block and therefore exposure by inhalation is not relevant.

Skin corrosion/irritation: Not irritating to skin.

Serious eye damage/Irritation: Not irritating to eyes.

Respiratory or skin sensitization: Dermal sensitization: Not a Sensitizer (Guinea pig maximization test).

Germ cell mutagenicity: Contains no components known to have a mutagenetic effect.

Carcinogenicity: Contains no components known to have a carcinogenetic effect.

| Components | NTP | IARC | OSHA |
|--------------|------------|------------|------------|
| Bromadiolone | Not listed | Not listed | Not listed |

Reproductive Toxicity: No data

Aspiration Hazard: Not applicable. Product is a wax block.

Target Organ Effects: Reduced blood clotting ability.

SECTION 12. ECOLOGICAL INFORMATION

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

Persistence and degradability: Product is inherently biodegradable.

Bioaccumulative potential: Not determined. Bromadiolone water solubility is extremely low (< 0.1 mg/l).

Mobility in Soil: Not determined. Mobility of bromadiolone in soil is considered to be limited.

Other adverse effects: None.

SECTION 13. DISPOSAL CONSIDERATIONS

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. Dispose of dead rodents in garbage or by burying.

SECTION 14. TRANSPORT INFORMATION

UN number: Not regulated

UN proper shipping name: Not regulated

Transport hazard class(es): Not regulated

Packing group : Not regulated

Environmental Hazards

DOT Road/Rail: Not considered hazardous for transportation via road/rail.

DOT Maritime: Not considered hazardous for transportation by vessel.

DOT Air: Not considered hazardous for transportation by air.

Canadian Classification: Not considered hazardous

Freight Classification: LTL Class 60

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not applicable

Special precautions for user: None

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Health Canada PMRA: This pesticide product is regulated by the Pesticide Management Regulatory Agency of Health Canada and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The safety, health, environmental, and hazard information required on the pesticide label is listed below and reflected throughout this SDS. The pesticide label also includes other important information, including directions for use.

TSCA: All components are listed on the TSCA Inventory or are not subject to TSCA requirements

CERCLA/SARA 313: Not listed

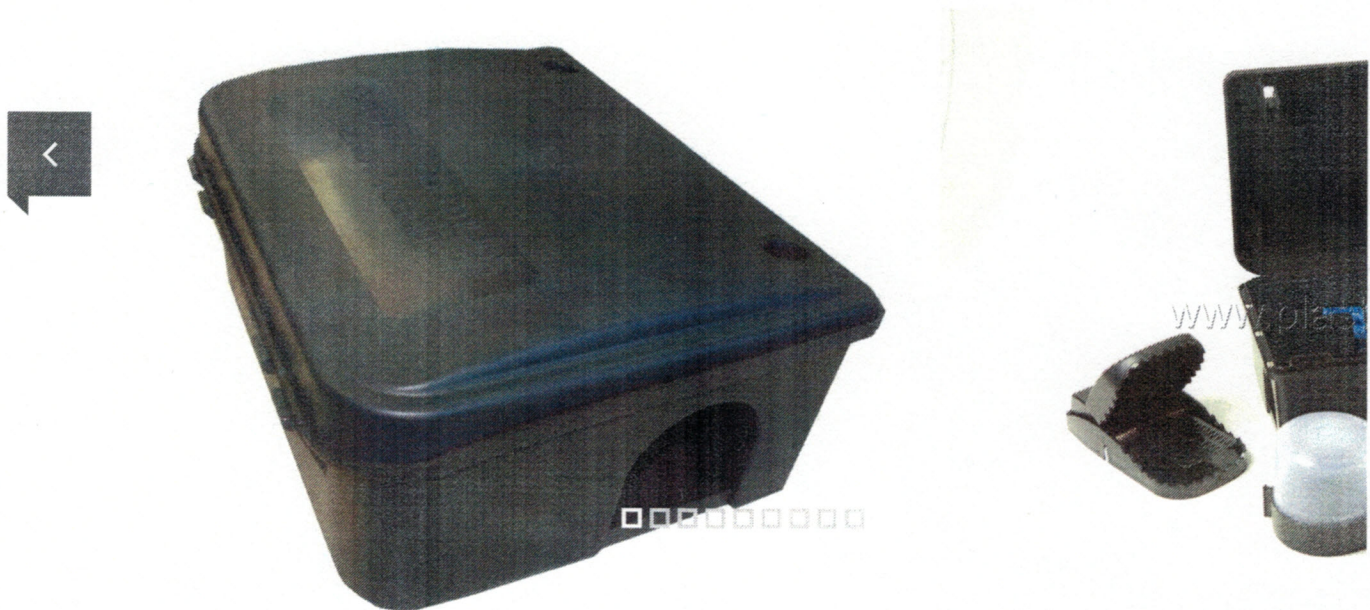
CERCLA/SARA 302: Not listed

SECTION 16. OTHER INFORMATION

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

| | | | | |
|-------------|----------------------|--------------------------|-------------------------|-------------------------|
| NFPA | Health: 1 (caution) | Flammability: 1 (slight) | Reactivity: 0 (stable) | Specific Hazard: None |
| HMIS | Health: 2 (moderate) | Flammability: 1 (slight) | Reactivity: 0 (minimal) | Protective Equipment: B |

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



NEPTUNO BAIT STATION

- ✓ Bait station for mice and rats. 235 X 185 X 90 MM - DIMENSIONS
- ✓ Made of high quality polypropylene.
- ✓ With key and double lock.
- ✓ Security system that prevents forced opening with hands.
- ✓ Each unit includes removable tray, wire to support bait and wall adapter.
- ✓ All interior fittings are removable and can be used with rodenticide, glue board, rat trap or drinking trough

APPENDIX H – CONSTRUCTION MANAGEMENT PLAN CHANGE REQUEST



Institutional Development

CONSTRUCTION MANAGEMENT PLAN CHANGE REQUEST

Ronald McDonald House Charities Atlantic
5940 South Street, Halifax, Nova Scotia

Lori Barker, CEO, RMHC Atlantic – 902-222-5559

Date

This is to request a change to the construction management plan for the Institutional Development. Ronald McDonald House Charities Atlantic requests the following changes to the Construction Management Plan (CMP) to be reviewed and approved by Halifax Regional Municipality (HRM).

These changes are required due to _____. The proposed date of implementation for these changes is _____, _____ and are expected to be required until _____, _____. These changes will impact traffic and pedestrians in the following ways by _____. Please see the attached sketch which outlines the changes being requested.

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

CONTACT INFORMATION:

| | | | |
|-----------------------|---------|-------|--------|
| Construction Manager: | Company | | |
| | Name | Title | Number |

Our company has been retained by Ronald McDonald House Charities Atlantic as the Construction Manager to complete work on the Institutional Development. Should any questions arise throughout construction, please feel free to contact the undersigned.

Yours Truly,

Name

Company

APPENDIX I – CONSTRUCTION MANAGEMENT PLAN INSPECTION SHEET

APPENDIX J – HAZARD ASSESSMENT

| No. | Hazard | Project Phase | Vehicular Impacts | Mitigation Methods | Pedestrian Impacts | Mitigation Methods |
|--------|---|----------------|--|--|--|--|
| 1 | Snow & Ice Clearing | All Phase | Vehicle weight may surcharge excavation, causing excavation wall failure. | Close sidewalks adjacent to project site, moving vehicles farther away from excavation. | Pedestrians may become stuck in snow or slip on ice. | Fencing around entire project site. The contractor shall remove all snow on temporary sidewalks and shall salt sidewalks to prevent ice buildup. |
| | | | Vehicles may become stuck in snow or slip on ice | The contractor shall remove all snow on temporary sidewalks and within the loading. | | |
| 2 | Construction Waste | All Phase | Vehicles may strike or be struck by construction waste. | The contractor shall keep the project site and surrounding areas clean and free of construction debris. | Pedestrians may strike or be struck by construction waste. | The contractor shall keep the project site and surrounding areas clean and free of construction debris. |
| 4 | Vehicular & Pedestrian | All Phase | Drivers and pedestrians may become confused or impatient with construction activities. Pedestrians may walk in unmarked crosswalks or in vehicular travel areas. Drivers may fail to obey traffic signage. | Vehicular and pedestrian signage will be posted prominently around the project site to facilitate pedestrian movement. Notification will be sent prior to all traffic interruptions. | Drivers and pedestrians may become confused or impatient with construction activities. Pedestrians may walk in unmarked crosswalks or in vehicular travel areas. Drivers may fail to obey traffic signage. | Vehicular and pedestrian signage will be posted prominently around the project site to facilitate pedestrian movement. Notification will be sent prior to all traffic interruptions. |
| 3 | Heavy Machinery Operation | All Phase | Heavy machinery or vehicles may break down or overturn, damaging other vehicles. | The contractor shall maintain safe distances between vehicles and heavy machinery on-site. | Heavy machinery or vehicles may break down or overturn, injuring pedestrians. | The contractor shall maintain safe distances between pedestrians, vehicles, and heavy machinery. Rigid fences will be installed to separate construction vehicles from pedestrians. |
| 4 5 | Project Site Lines | All Phase | Heavy machinery or vehicles may overturn due to uneven terrain, damaging other vehicles. | The contractor shall maintain safe distances between vehicles and heavy machinery on-site and ensure travel routes are kept flat. | Heavy machinery or vehicles may overturn due to uneven terrain, injuring pedestrians. Pedestrians may walk on uneven terrain causing them to twist their ankles or fall. | The contractor shall maintain safe distances between pedestrians, vehicles, and heavy machinery and ensure travel routes are kept flat. |
| | | | Fences and signs may impact vehicular site line visibility. | Signs will be placed such that they do not extend into vehicle and pedestrian routes. | Fences and signs may impact vehicular site line visibility causing drivers to be unaware of pedestrians. | Signs will be placed such that they do not extend into vehicle and pedestrian routes. |
| 6 | Construction Signage | All Phase | Construction signage may strike vehicular traffic. | Construction signage will be securely fixed to existing poles, | Construction signage may strike pedestrians. | Construction signage will be securely fixed to existing poles, temporary concrete sign bases, or rigid fences. |
| 8 | Dangerous Materials | All Phase | Flammable, explosive, & hot materials may damage vehicles if not properly maintained & stored. | The contractor will use and store dangerous materials properly as per manufacturers' specifications. | Flammable, explosive, & hot materials may injure pedestrians if not properly maintained & stored. | The contractor will use and store dangerous materials properly as per manufacturers' specifications. |
| 7 | Rodent Control Devices | All Phase | Vehicles may drive over and strike rodent control devices. | Rodent control devices will be placed outside vehicular travel ways | Pedestrians may trip over rodent control devices. | Rodent control devices will be placed outside pedestrian travel ways and be securely fixed or weighted to prevent unintended movement. |
| 8 | Hoisting Operations | Superstructure | Items hoisted may fall from heights and damage vehicles. | Proper hoisting and lifting techniques will be used to ensure that materials do not fall from heights | Items hoisted may fall from heights and injure pedestrians. | Proper hoisting and lifting techniques will be used to ensure that materials do not fall from heights. |
| 9 | Reinstatement of Public Infrastructure & Service Installation | Superstructure | Heavy equipment and hot concrete used during public infrastructure reinstatement and service installation may cause damage to vehicles. | The contractor shall maintain safe distances between vehicles and heavy machinery on-site. | Heavy equipment and hot concrete used during public infrastructure reinstatement may injure pedestrians. | The contractor shall maintain safe distances between pedestrians, vehicles, and heavy machinery. Sidewalks adjacent to the public infrastructure reinstatement and service installation. |
| 10 | Fallen debris | Superstructure | Debris may fall from upper stories of the new building causing damage to vehicles. | A safe distance will be maintained between the building envelope and vehicular traffic. | Debris may fall from upper stories of the new building injuring pedestrians. | A safe distance will be maintained between the building envelope and vehicular traffic. |