

Dartmouth Shopping Center
(DSC) Redevelopment – Phase 1

118 Wyse Road

Excavation & Construction

Prepared by Geoff MacLean, P.Eng.

Job No. 37313

CONSTRUCTION MANAGEMENT PLAN

0	FEB 2025	ISSUED FOR PERMIT
REVISION #	DATE	DESCRIPTION



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Prepared by

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In consultation with the landowner, contractor, traffic control company and HRM

Section 1: Introduction

1.1: Project Description and Objectives

The owner/developer is planning to construct the first of several proposed mixed-use buildings on their Dartmouth Shopping Centre (DSC) lands; this first building resides within Lot A (PID:41537812) fronting Wyse Road. In preparation for this development the original DSC parcel housing the DSC was subdivided and strip mall linking their anchor tenants demolished allowing for a temporary parking lot and reroute of traffic to Dawson Street to be built. This building will include +/-300 residential units within a 40-storey building as well as Street level commercial space. There will be 3 levels of underground parking fronting Wyse Road and two levels of parking above the Wyse Road commercial space accessed from within the site indirectly from either Dawson Street or Nantucket Avenue. This CMP has been prepared to address site excavation and initial building construction for Building Site A.

Where the building is planned to have 3 levels of underground parking, deep excavations of 10.5m (35ft) below Wyse Road's Right-of-Way (ROW) are anticipated. With the foundation setback +/-3m (10ft) from the ROW there is sufficient space to accommodate shoring on site, avoiding an HRM ROW encroachment leaving the sidewalk open to the public. A combination of fencing and interlocking concrete barriers will delineate the site compound. This compound will extend along the property line abutting the neighbouring Esso gas station and car wash, delineate the driveway from Nantucket to access the shopping centre, flank the front entrance of the No Frills grocery store and hoard off a portion of the Wendy's parking lot while maintaining their drive thru. Access to the No-Frills will be maintained with fencing separating the patrons from the construction site.

All earthwork, concrete operations and material deliveries will be staged within private property during construction with access gates stationed off the properties parking lot accessed from Nantucket Avenue and Dawson Street. During earthworks an exit gate will be stationed fronting Wyse Road. The building tower is planned to be constructed of precast concrete imported to site and hoisted by tower crane, only the footings and foundations are anticipated to be cast in place concrete. Throughout construction two-way vehicular traffic and pedestrian traffic will be maintained along Wyse Road, Nantucket Avenue & Dawson Street. Only during service work, sidewalk, curb and gutter renewal on Wyse Road & Nantucket do we anticipate short term temporary lane drops or sidewalk closures. It is anticipated that tower crane assembly and disassembly will be stationed within the project compound on private property.

The project borders commercial properties, that houses Wendy's, No Frills, Dollarama, Shoppers Drug Mart and Esso along its south, west, north and east property lines. All neighbouring properties will remain undisturbed throughout construction and all neighbours will be notified and updated on construction ahead of time.

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

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

1.2: Project Contact Information

The project team for the proposed development consists of:

Role	Name	Contact	Address	Phone
Owner/Developer	Green Road Holdings Inc.	Jim Kanellakos	1181 Larry Uteck Boulevard, Suite 201, Bedford, NS B4B 0S9	(902) 471-4549 24 Hour Emergency Contact
Site Contractor	Brycon Construction	Thomas MacDonald	67 Atlantic Street, Dartmouth, NS B2Y 4P4	(902) 229-8023
Traffic Control Company	Titan Traffic Services	Rick Bengle		(902) 237-2414
Rodent Control Company	Rentokil Pest Control		51 Duke Street, Bedford, NS B4A2Z2	(902) 835-2304

Section 2: Project Schedule and Logistics

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

2.1: Schedule

Project Phase	Start Date		End Date	Time Period
Rodent Control Program	ongoing	-	ongoing	n/a
Soil Remediation	Mar 2025	-	Jul 2025	5 months
No-Frills Water Service Relocation	May 2025	-	May 2025	1 month
No-Frills Sewer Service Relocation	May 2025	-	Jun 2025	2 months
HRM Right of Way Flat Works	Jul 2025	-	Aug 2025	1 month
Shoring & Site Excavation	Jul 2025	-	Jan 2026	17 months
Substructure (Cast in place)	Apr 2026	-	Dec 2026	9 months
Superstructure (Cast in place)	Jan 2026	-	Mar 2027	3 months
Superstructure (Pre-Cast)	Apr 2027	-	May 2028	14 months
Building fit up	Jul 2027	-	Jun 2029	24 months

2.2: Key Dates

- Setup safety fencing and barriers March 2025
- Temporary sidewalk/travel lane closures
 - Wyse Road water & sewer service work May 2025
 - Nantucket Avenue water service install July 2025

The encroachment areas are shown in the appendix for reference.

2.3: Hours of Work

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

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

Although work is not expected to be required outside of the times listed above, if, for any reason, work is anticipated to be required outside of these hours, the contractor will apply to HRM for approval 5 business days (minimum) in advance of such work and obtain approval prior to proceeding. It is noted that HRM's Noise By-Law cannot be altered without HRM council approval; work must adhere to the Noise By-Law. Note that construction noise exemptions may be granted where construction noise is planned to take place during prohibited hours of the N-200 By-law. The landowner to apply for this separately under the Construction Noise Exemption process.

Section 3 – 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 at all times meet the standards of:

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

3.2: Municipal Regulations & Guidelines

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

- a) HRM Design Guidelines;
- b) HRM Standard Details;
- c) S-300 Streets;
- d) E-200 Encroachments;
- e) B-201 Building;
- f) N-200 Noise;
- g) T-600 Trees;
- h) S-900 Controlled Access Streets;
- i) T-400 Truck Routes;
- j) B-600 Blasting;
- k) HRM TCM Supplement;
- l) G-200 Grade Alteration and Stormwater management;
- m) Admin Order 2018-005-ADM regarding encroachments; and
- n) Admin Order 2020-010-OP regarding stormwater management standards for development activities.

Section 4: Vehicle Management

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

4.1: Vehicular Traffic Control

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

Throughout all phases of construction two-way vehicular traffic will be maintained along Wyse Road and Nantucket Avenue. Only during service work, sidewalk and curb and gutter renewal (Wyse Road) do we anticipate short term temporary lane closures being required. It is anticipated that tower crane assembly and disassembly will be stationed within the project compound on private property. Please refer to the appendices for required encroachment plan and traffic control plans.

4.2: Haul Route and Staging Areas

The truck Haul Route Plan has been prepared and is provided in the appendix.

The selected route is intended to minimize traffic congestion and maximize pedestrian safety. During all construction phases vehicles will enter and exit the site at the gate location(s) which will be clearly marked. Throughout all phases of construction, concrete and material deliveries shall be contained within private property with gates stationed off the hoarded area accessed from Nantucket Avenue and Dawson Street. We anticipate large transport truck deliveries entering the east gate and exiting the north gate on private property with traffic flow. Refer to appendix for concrete delivery schematic.

4.3: Vehicular Traffic Notifications

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

4.4: Emergency Vehicles

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

4.5: Parking

Un-metered on street public parking directly adjacent to the project is currently prohibited along Wyse Road directly in front of the project site. On street parking will not be affected by this project.

It is noted that passenger vehicles are not permitted to park within any encroachment areas. To minimize parking requirements in adjacent neighbourhoods, on-site workers will utilize private property and workers will be encouraged to carpool or rely on public transit.

4.6: Bus Stops

Bus service travels along Nantucket Avenue and Wyse Road. Bus service should not be affected by this project with the exception being, during service work's temporary lane drops.

4.7: Hazard Assessment

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

Section 5: Pedestrian Management

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

Throughout construction the sidewalk will remain open to pedestrians on both streets with exception being temporary closures during service work and HRM ROW renewal.

5.1: Pedestrian Protection

Pedestrians will be protected by physically distancing them from the project. A combination of rigid fencing and F-type concrete jersey barriers with rigid fencing mounted above will delineate the project. Rigid fencing will be covered with opaque covering to block view of the site. Refer to the appendix for examples of the barriers and fencing.

5.2: Pedestrian Safety

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

5.3: Pedestrian Traffic Notifications

Notifications will be distributed to properties in the impacted area a minimum of five (5) days in advance of pedestrian traffic impacts. A sample traffic notification letter can be found in the appendix. HRM must be notified prior to issuing the notification to neighbours.

5.4: Visually Impaired Persons

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

The contractor will use bright orange sawhorse barricades complete with bold-font signage to identify sidewalk termination points. Sawhorse barriers will incorporate lower cross members, painted and marked consistent with the rest of the sawhorse, these added cross members will be placed near the ground to aid visually impaired persons using a cane. Reflective tape will also be placed on the ends of fencing, hoarding, sawhorse barricades, and concrete barriers to help delineate pedestrian routes and disruptions. Signage and tape colours will vary but will comply with the colour/brightness contrast as outlined by the CNIB website; examples are black/white, orange/black or dark red/white combinations.

5.5: Accessibility

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

5.6: Hazard Assessment

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

5.7: Pedestrian Management Plans Rendering (PMPR) Signage

The need for a rendered map displayed for pedestrians showing the detoured pedestrian routes are not anticipated.

5.8: Pedestrian Detour Wayfinding Signage

The need for pedestrian wayfinding signage directing pedestrians to adjacent businesses is not anticipated.

Section 6: Encroachments & Disruptions

During all construction activities, we are proposing that the project compound be limited to the property limits. Public sidewalks on the Nantucket Avenue and Wyse Road will only be utilized as described in section 1. No HRM ROW encroachments are anticipated for this project. To keep the public away from potential hazards the site will be delineated with weighted down modular construction fencing with opaque covering will be anchored to the ground to prevent unintentional movement or overturning due to snow and wind loads and interlocking F-type concrete barriers complete with rigid fencing with opaque coverings.

Throughout the project, fencing will be positioned to not obstruct vehicle sight lines. In areas adjacent to the site gates open mesh chain link or rigid fence on top of the site barriers to not obstruct sight lines.

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

6.1: Demolition

A portion of the existing building has been demolished and area paved to maintain public access route for the shopping center.

6.2: Site Excavation

This includes deep excavation and removal of common site material. The development is planned to have 3 levels below street grade fronting Wyse Road. Shoring of soft overburden is anticipated. If bedrock is found, the contractor will need to apply for a blasting permit and adhere to the HRM blasting by-law and conditions of the blasting permit. Alternatively, if a blasting permit can not be obtained the site's bedrock will be broken by a series of rock breakers to reach footing elevation.

6.3: Site Services Connection

This includes installation of new water and sewer laterals to their respective mains as well as decommissioning existing laterals which will be abandoned. The service installs will require modifications to the encroachment with temporary workplace signage incorporated (refer to the Service Installation Traffic Control Plans (TCP) in the appendix). HRM requires that this service work be limited to weekends only to minimize traffic disruptions. The target dates for this work are provided in the "Key Dates" section above with time of installations adhering to the Noise By-Laws noted above. The intent will be to complete this servicing work and reinstate the street as quickly as possible in order to minimize disruptions to the public.

Before scheduling site services connections, the contractor will notify all neighbouring properties, of the intended timeline for this work. A sample notification letter is included in the appendix.

The contractor intends to reinstate the street cut during the season of work. It is noted that street cuts cannot be left gravel or open. HRM reinstatement specifications must be met, and the travel way must be hard surfaced prior to reopening to the public. Asphalt, concrete curb and sidewalk reinstatement must be completed within 72 hours of disturbance and will be considered temporary if reinstated after October 31st or prior to May 1 in which case permanent reinstatement will be completed by June 15.

6.4: Construction Management Plan Element Inspection and Maintenance

Construction management plan elements will be inspected daily to ensure continued adherence to this CMP. Any deficiencies identified will be reinstated immediately. A CMP's TCP & PMP inspection report summary will be

completed for the project, including information on what maintenance activities were conducted. This report must be kept on site at all times and be available to HRM upon request.

6.5: Changes to the Construction Management Plan

All departures from the CMP regardless of the significance must be submitted to the Municipality 10 days in advance for review and approval. Any required changes or modifications to the approved CMP will be submitted to HRM for review and approval prior to implementation.

Section 7: Environmental Factors

7.1: Damage to HRM Infrastructure

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

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

7.2: Protection of Trees

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

7.3: Line Painting and Temporary Crosswalks

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

7.4: Street and Right-of-Way Cleaning

The portion of public street adjacent to the project will be cleaned daily of any debris from trucks and silt, dirt, or rock that migrates beyond the encroachments. A sweeper truck will be utilized as required. The existing asphalt and/or rock pads will be installed and maintained at all site entrances behind the curb line to knock dirt free from truck tires with aim to reduce off tracking of site soils.

7.5: Protection from Inclement Weather

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

7.6: Storm Water Management

During construction, nearby catch basins may be fitted with silt bags and/or filter fabric to prevent debris from entering the storm system and maintained until final reinstatement is complete. Stormwater collected inside the project site will be directed to temporary stormwater settling ponds situated within the building footprint to allow clean water to be pumped into the existing public sewer systems. Excavation dewatering to municipal systems requires a permit, obtained from Halifax Water via p2@halifaxwater.ca, and follow the strict adherence to Halifax Water regulations. The contractor must prevent erosion or siltation of surface runoff from leaving the construction site through the use of erosion and sedimentation controls (See NSECC Erosion and sedimentation control handbook for construction sites). Sediment ponds may be shifted and positioned as desired by the site contractor during mass excavation however will generally be placed in localized low points within the building excavation.

7.7: Noise, Dust and Emission Control

The contractor will at all times adhere to the HRM Noise Bylaw (N-200) unless approved under HRM exemption process. No work will take place on the project site outside those hours identified in section 2 of this report, unless HRM grants an exception.

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

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

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

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

7.8: Rodent Control

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

The RCP was engaged two weeks prior to the commencement of site demolition to help to lower the number of active rodents in the project area. Bait stations positioned along existing buildings and fence lines prior to excavation. Bait stations positioned along the edges of the project and secured in place using wooden stakes (for open sodded and dirt locations), weighted patio stones (behind walls and on paved areas), and zip-ties (fixed to fences) as per typical industry standards.

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

Section 8: Site Protection & Hoarding

8.1: Barriers & Fences

Throughout construction the project site will be delineated using a combination of weighted down modular construction fencing and interlocking F-type concrete jersey barriers complete with rigid fencing mounted on top with a total height (concrete barrier and fencing structure) being 1.8m or 6ft as per the noted administrative order. This fencing will be covered with an opaque dust control mesh of high quality which will extend a minimum 3m from the public right-of-way. This screening is described in the appendix and will block passersby or tourists view of the construction site. All fencing will have dust control mesh and must be anchored down to prevent unintentional movement or overturning due to snow or wind loads. Throughout the project, fencing will be situated to not obstruct vehicle sight lines.

Along the private sidelines where traffic is present, the hoarding will be delineated by a combination of weighted modular 1.8m (6ft) high fencing and interlocking concrete barriers with fencing mounted on top. All fencing will have opaque dust control mesh and must be anchored down to prevent unintentional movement or overturning due to snow or wind loads.

The F-type barriers and fencing defining the project site will adhere to the Encroachment Plan which is to scale includes dimensions and can be found in the appendix. These areas can be measured for the administering of applicable fees. Encroachment areas and fees will be based on the areas within the public right-of-way enclosed by the barriers and fencing.

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

It is noted that surplus fencing must be stored and installed from private property when relocated for deliveries and be routinely re-established to keep the site secure. Surplus fencing cannot be stored within HRM's right-of-way.

8.2: Snow removal

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

The contractor will clear snow from outside the jersey barriers and fencing to keep the street line clear of snow and ice build up on Wyse Road.

8.3: Gate Access and Egress

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

Construction access gates are planned to be stationed off the hoarded area within private property access from the existing Nantucket driveway and temporary public traffic route from Dawson to facilitate deliveries. Gates are to swing into site, remain closed when not in use and locked after hours.

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

8.4: Hoarding Aesthetics

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

8.5: Sight Lines

Rigid fencing and signage will be installed as per the CMP drawings such that vehicle sight lines are maintained around corners, particularly at driveway access points and existing intersections.

8.6: Project Information and Contacts

To encourage communication between the project team and the public, contact information will be provided on Project Information Boards; these will be posted prominently around the project site on the fencing; refer to the appendix for a copy of the Project Information Board and the Encroachment Plan for the planned locations. Refer to the signage specification within the appendix describing the required size, materials, mounting hardware, etc. of these signs.

Section 9: Lifting, Hoisting, and Crane Operations

9.1: Crane Use Overview

This project will incorporate a tower crane, the crane will be stationed within the project site and will be operated under the direct supervision of a licensed crane operator employed by the formwork contractor. The approximate location of the site's tower crane is shown in the appendix.

It is anticipated that tower crane assembly and disassembly will be stationed within the hoarded area on private property.

The crane swing will extend over neighbouring properties as shown in the Crane Swing Diagrams included in the appendix. The landowner will notify adjacent property owners prior to extending the crane over their properties. Refer to the appendix for crane information.

Depending on the stage of construction, concrete truck will be stationed within the hoarded area during concrete operations on private property and material delivery trucks will be stationed within private property. (See concrete delivery schematic within the appendix).

If lifting operations are required over the public realm, this area will be closed to access. In all cases of lifting, extreme care will be used to ensure public and worker safety.

9.2: Transport Canada and Nav Canada Regulations

There are two registered aerodromes in the Halifax region; Halifax International Airport and Canadian Forces Base Shearwater Airfield. According to Transport Canada regulations, the project site is outside of the lands to which

regulations for these two aerodromes apply; we understand Transport Canada and Nav Canada clearances are not required.

9.3: Aerodromes

There are several heliport approaches in the Halifax region; both Emergency Hospitals (QEII and IWK) as well as Point Pleasant Park. Given the location of the project site is outside these approaches; we understand Transport Canada and Nav Canada clearances are not required.

Section 10: On-Site Safety and Security

10.1: Site Safety and Security Overview

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

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

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

The contractor will adhere to the procedures stipulated in the Haul Route Plan for delivery of materials. Delivery vehicles will use the designated gates for entry and exit. Timing of deliveries will be coordinated to have the least possible negative impact on regular traffic. The staging and delivery area will be coordinated by the delivery companies and site personnel, concrete and material delivery trucks will be housed within the project site limits on private property accessed from Nantucket Avenue or Dawson Street.

10.3: Emergency Access & Egress

The site will be accessible through gates to facilitate construction vehicle access. In cases of emergencies, on-site workers will exit the project site through these gates. These gates will remain closed but unlocked at all times when workers are on site in case of emergency allowing unrestricted emergency response units access to the site. Gates will be locked and secured afterhours to provide security against public access during off work hour. Emergency contact information will be posted on project information boards surrounding the site, refer to the CMP plan for details.

Gates are to remain closed at all times unless being used for deliveries to maintain a controlled access site preventing access by the general public to the construction site.

10.4: Security Site Lighting

Security site lighting is not anticipated for this project.

10.5: Smoking Areas

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

10.6: Fire Suppression Systems

There is one (1) existing public fire hydrant in the vicinity of the site behind the curb in the center traffic island in front project site. Any adjacent existing fire hydrants will remain outside the project area and will be protected from construction activities. These fire hydrants, along with any existing fire department connections (Siamese connections) will be accessible to firefighters throughout all phases of the project.

There are no proposed fire department connections at this stage of the project.

Section 11: Pre-Construction Consultation & Meeting

11.1: Pre-CMP Community Consultation

The landowner will forego the community consultation meeting. A construction notification letter will be delivered to the properties neighbouring the construction site as well as HRM staff, notifying them of the expected work with contact information for questions and feedback. As part of this notification the surrounding community and businesses will be offered to sign up for a monthly construction project notification from the development. It is understood, HRM requires a confirmation letter from the applicant confirming delivery of notification letters to affected residents. A map indicating these properties has been included in the appendix.

11.2: Project Information and Contacts

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

11.3: Preconstruction Meeting

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

11.4: Construction Notification

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

Section 12: Summary

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

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

Regards,

Servant, Dunbrack, McKenzie & MacDonald Ltd.

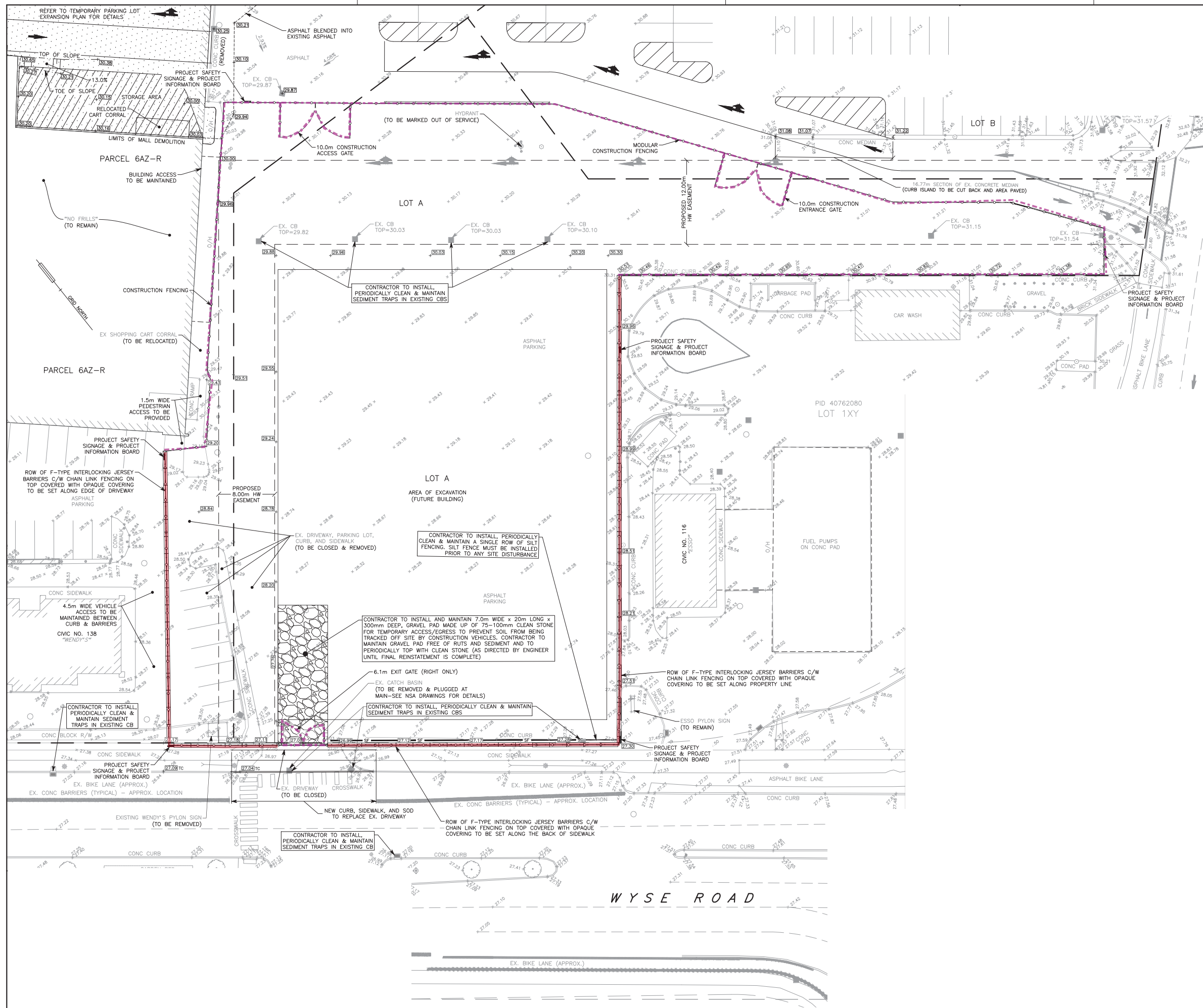
Geoff MacLean, P.Eng.

Project Engineer

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APPENDIX

Appendix A – Encroachment Plan



LEGEND		
EXISTING		PROPOSED
25.0	CONTOUR LINE	25.0
⊙/⊙BF	CURB STOP/GATE/BUTTERFLY VALVE	⊙/⊙BF
⊙	FIRE HYDRANT	⊙
⊙	CONCRETE THRUST BLOCK	⊙
⊙	SIAMSE CONNECTION	⊙
⊙	CATCH BASIN/PIT	⊙
⊙	CULVERT	⊙
⊙	ROCK LINING/DAM	⊙
⊙	ROCK WALL/RETAINING WALL	⊙
⊙	POWER POLE & ANCHOR/LIGHT STANDARD	⊙
⊙	TREE	⊙
⊙	STREET SIGN/PARKING METER	⊙
131.82	ELEVATION/GRADE	125.00 ± 125.00
⊙	TEST PIT	⊙
⊙	DRAINAGE/SWALE FLOW DIRECTION	⊙
⊙	WATER MAIN/SERVICE	⊙
⊙	SANITARY MANHOLE & PIPE	⊙
⊙	STORM MANHOLE & PIPE	⊙
⊙	COMBINED SEWER	⊙
⊙	FORCE MAIN	⊙
⊙	GAS LINE	⊙
⊙	100YR. FLOOD LIMIT	⊙
⊙	GUARD RAIL	⊙
⊙	UNDERGROUND COMMUNICATIONS	⊙
⊙	UNDERGROUND POWER	⊙
⊙	OVERHEAD WIRES	⊙
⊙	PROPERTY LINE/BOUNDARY	⊙
⊙	FENCE	⊙
⊙	BUILDING	⊙
⊙	TOP OF SLOPE	⊙
⊙	TOE OF SLOPE	⊙
⊙	TREELINE	⊙

NOTES
1. THIS PLAN IS METRIC

2	25/02/28	GENERAL REVISIONS	
1	25/01/29	ISSUED FOR PERMIT	
0	24/11/25	ISSUED FOR REVIEW	
No.	YY/MM/DD	Revision Description	Appr'd

SDMM
Servant, Dunbrack, McKenzie & MacDonald Ltd.
NOVA SCOTIA LAND SURVEYORS & CONSULTING ENGINEERS
36 OLAND CRESCENT
BAYVIEW LAKE BUSINESS PARK
HALIFAX, NS B3S 1G6
PHONE: (902) 455-1537
FAX: (902) 455-8479
WEB: www.sdmm.ca

DARTMOUTH SHOPPING CENTRE REDEVELOPMENT
LOT A WYSE ROAD
DARTMOUTH, NOVA SCOTIA

CMP Site Plan

Date NOVEMBER 25, 2024	Drawn C. PORTER	Project No. FILE NO. 1-6-53 (37313)
Scale 1:250	Engineer G. MACLEAN	Plan No.
Reference ---	Approved G. MACLEAN	Drawing Name
Surveyed SDMM	Sheet	C-SS-4

0m 5 10 15 20 25m

Appendix B – Traffic Control Plans TCP

TRAFFIC CONTROL COMPANY



NAME:	TITAN TRAFFIC CONTROL
ADDRESS:	1-24 AKERLEY BLVD
PHONE NUMBER:	(800) 475-2156

CONTRACTOR



NAME:	BRYCON
ADDRESS:	67 Atlantic Street Dartmouth, NS B2Y4P4
PHONE NUMBER:	902-468-0070

PLAN DESIGNER

NAME: SAM RITCH
PHONE NUMBER: (902) 717-6540

Traffic Control Plan

SCOPE OF WORK :	Sanitary Line Excavation
JOB SITE ADDRESS :	118 WYSE RD

Date:
2024-12-05



LOCATION CORDINATES:	44.6704, -63.5789
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PAGE INDEX	
PAGE 1:	COVER PAGE
PAGE 2:	TRAFFIC CONTROL PLAN 1
PAGES 3-4:	PLAN 1 SIGN INDEX
PAGE 5:	TRAFFIC CONTROL PLAN 2
PAGES 6-7:	PLAN 2 SIGN INDEX
PAGE 8:	TRAFFIC CONTROL PLAN 3
PAGES 9-10:	PLAN 3 SIGN INDEX

GENERAL NOTES

- 1 REFER TO AND USE NOVA SCOTIA TEMPORARY WORKPLACE TRAFFIC CONTROL MANUAL (Rev. 2024.04.02) AS A MINIMUM STANDARD. REMOVE OR COVER CONFLICTING SIGNS.

2 MUST ALWAYS MONITOR AND MAINTAIN TRAFFIC CONTROL ZONES AT ALL TIMES. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL NOT BLOCK OR IMPAIR HYDRANTS AND/OR DRIVEWAYS/BUS STOPS.

3 CHANNELING DEVICES, INDIVIDUAL SPACING, AND TAPER LENGTHS ARE BASED ON THE APPROPRIATE MEASUREMENTS RESPECTIVE TO THE CHARTS SHOWN IN THE APPLICATION GUIDES.
(SEE APPLICATION GUIDES WITHIN THESE PLANS).
- 4 SIGNS MUST BE POSITIONED SO THAT APPROACHING MOTORISTS CAN INTERPRET THEIR MESSAGE AND REACT SAFELY AND COMFORTABLY. WHERE THE POSITION OF A SIGN IS SPECIFIED BY AN APPLICATION GUIDE AND VIOLATES THIS PRINCIPLE, EXPAND THE PLACEMENT DISTANCE BY THE MINIMUM NEEDED TO MAKE THE SIGN EFFECTIVE.

5 THE LOCATION OF THE SIGNS SHOWN ON THIS ILLUSTRATION ARE GUIDELINES AND ACTUAL LOCATIONS WILL DEPEND UPON ALIGNMENT (CURVES), GRADE (HILLS) AND LOCATION OF STREET INTERSECTIONS. TEMPORARY TRAFFIC CONTROL SIGNAGE TO BE REMOVED OR COVERED DURING NON-WORKING HOURS. FIELD ADJUST AS NEEDED BY THE TRAINED TWS AND/OR CONTROLLING AUTHORITY.

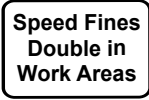
6 KEEP THE BUFFER AREA CLEAR OF OBSTRUCTIONS. DO NOT STORE MATERIAL, OR PARK EQUIPMENT OR VEHICLES IN THE BUFFER AREA EXCEPT:
• OPERATIONAL TRAFFIC CONTROL DEVICES MAY BE POSITIONED IN THE BUFFER AREA, INCLUDING FLASHING LIGHT UNITS.
• WHEN A PROTECTION OR SERVICE VEHICLE IS USED AS STATIONARY WORKER PROTECTION IT IS TYPICALLY POSITIONED CLOSE TO THE BOUNDARY BETWEEN THE TRANSITION TAPER AND THE BUFFER AREA.
- 7 PLAN MUST ALLOW FOR THE SAFE AND EFFICIENT PASSAGE OF EMERGENCY VEHICLES. ADVISE POLICE, FIRE AND OTHER EMERGENCY SERVICE PROVIDERS AND OTHER AGENCIES THAT MAY BE AFFECTED BY THE WORK.

8 TEMPORARY CONDITION SIGNS MUST MEET THE STANDARDS SHOWN IN THE MANUAL FOR APPEARANCE, SIZE, SHAPE, COLOUR AND LEVEL OF REFLECTIVITY. THEY MUST SHOW THE SAME APPEARANCE BY NIGHT AS BY DAY.

9 REGULATORY SIGNS USED AT TEMPORARY WORKPLACES MUST CONFORM WITH SIGNS SHOWN IN THE PROVINCE OF NOVA SCOTIA SCHEDULE OF OFFICIAL HIGHWAY SIGNS PUBLISHED BY THE MINISTER UNDER THE AUTHORITY OF SECTION 88 OF THE MOTOR VEHICLE ACT OF NOVA SCOTIA, AND OTHERWISE MEET STANDARDS SET BY THE MINISTER.



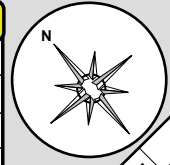
Plan 1 Sign + Device Index

TC-171 Speed fine Double	Description	TC-103 Construction Zone	Description
 Speed Fines Double in Work Areas	TC-171 (NS) Speed Fines Double in Work Areas is used to notify motorists that between the TC-2 and TC-4 signs and between the TC-114 (NS) and the TC-4 signs, fines for speeding are doubled. The combination of TC-171 (NS), TC-2 and TC-4, or TC-171 (NS), TC-114 (NS) and TC-4 signs must not be displayed when workplaces are inactive.	 CONSTRUCTION ZONE	TC-103 (NS) Construction Zone is erected in advance of a work area as a general Temporary Condition Sign when a specific Temporary Condition Sign is not required and to remind drivers that they are in an area where they will encounter construction activities. It also advises drivers that although they may be in an area where construction activities have temporarily stopped, the roadway has not been returned to normal operating conditions.
TC-1 Construction Ahead	Description	TC-4 Construction Ends	Description
 CONSTRUCTION	TC-1 Construction Ahead is used to provide advance warning of a major work area. This sign is generally used on long-term construction projects where drivers may encounter construction activities.	 CONSTRUCTION ENDS	TC-4 Construction Ends is used to indicate to drivers that they have reached the end of a workplace and that they can expect normal roadway conditions on the remainder of the roadway.
TC-2 Road Work	Description	RB-31 Passing Prohibited Sign	Description
	TC-2 Road Work is used to indicate that work area activities are occurring on or near the traveled portion of the road and that workers or equipment may be at risk or may pose a risk to the driver. TC-2 must not be displayed when work is not in progress. When TC-2 is mounted on a portable sign support it must display two red orange flags mounted on the top of the sign.		RB-31 Passing Prohibited Sign indicates to drivers that they must not overtake another vehicle.
TC-13L Road Diversion	Description	RB-25 Keep Right Sign	Description
	TC-13L Road Diversion is used to indicate a brief Left, "TC13L" or Right, "TC-13R" change in the road alignment, but with no reduction in the number of lanes.		RB-25 Keep Right Sign indicates that traffic must pass to the right of obstructions.

Sign + Device Manifest

- 18 x TC-1 Construction Ahead
- 18 x TC-171 Speed fine Double
- 12 x TC-2 Road Work
- 9 x RB-31 Passing Prohibited Sign
- 8 x TC-4 Construction Ends
- 6 x TC-103 Construction Zone
- 3 x TC-141 Street Closed
- 2 x TC-13L Road Diversion
- 2 x TC-145 Sidewalk Closed
- 2 x TC-145A (NS) Sidewalk Closed Ahead Cross Here
- 2 x TC-64A Barricade
- 2 x TC-64D Municipal Barricade, with Twin Rails
- 1 x RB-25 Keep Right Sign
- 1 x TC-142 (NS) Local Traffic Only
- 1 x TC-68 Bicycle Lane Closed Sign
- 1 x TC-72 Temporary Single File
- 1 x TC-72S Temporary Single File
- 1 x TC-9B Flashing Light Unit (Caution)

Contact information		JOB SPECIFIC DETAILS				REVISIONS	
PLAN DESIGNER:	Sam Ritch (902) 717-6540	LOCATION:	118 WYSE RD			DESCRIPTION	DATE
TRAFFIC CONTROL COMPANY:	Titan (800) 475-2156	PROJECT/SCOPE:	Sanitary Line Excavation				
CONTRACTOR:	BRYCON 902-468-0070	START DATE:	TBD	DURATION:	TBD		
EMERGENCY CONTACT:	Rick Bingle (902) 237-2414	CONTRACTOR:	BRYCON	WORK ORDER #	N/A		
		COUNTY:	HRM	PLAN SCALE:	Not To Scale		



PAGE NO: 3

DISCLAIMER: THIS PLAN IS A DRAFT FOR IMPLEMENTATION AT THE DIRECTION OF OTHERS. IT WAS PREPARED IN CONFORMANCE WITH TRAFFIC CONTROL STANDARDS ESTABLISHED BY THE NOVA SCOTIA TEMPORARY WORKPLACE TRAFFIC CONTROL MANUAL (Rev. 2024.04.02). FIELD ADJUSTMENTS MAY BE REQUIRED BY LOCALIZED AND/OR TEMPORARY TRAFFIC CONDITIONS. THE TRAFFIC CONTROL PLAN DESIGNER ASSUMES NO LIABILITY FOR ANY ACCIDENT, INJURY OR DEATH OCCURRING FROM THE USE OF THIS PLAN.

Plan 1 Sign + Device Index

TC-63 Drums	Description	TC-145A (NS) Sidewalk Closed Ahead Cross Here	Description	Sign + Device Manifest	
 Weighted Base	Drums must be used as shown on Application Guides and as described in text. They are a higher standard than, and except as prohibited at the beginning of section 9.2 in the NOVA SCOTIA TEMPORARY WORKPLACE TRAFFIC CONTROL MANUAL (Rev. 2024.04.02), (Delineators, Prohibited Use), may be substituted for cones, or high delineators.		TC-145A (NS) Sidewalk Closed Ahead Cross Here is used to advise pedestrians that a sidewalk is closed ahead. The appropriate L (Cross to the Left Sidewalk) or R (Cross to the Right Sidewalk) version of the sign must be used.	Sign + Device Manifest 18 x TC-1 Construction Ahead 18 x TC-171 Speed fine Double 12 x TC-2 Road Work 9 x RB-31 Passing Prohibited Sign 8 x TC-4 Construction Ends 6 x TC-103 Construction Zone 3 x TC-141 Street Closed 2 x TC-13L Road Diversion 2 x TC-145 Sidewalk Closed 2 x TC-145A (NS) Sidewalk Closed Ahead Cross Here 2 x TC-64A Barricade 2 x TC-64D Municipal Barricade, with Twin Rails 1 x RB-25 Keep Right Sign 1 x TC-142 (NS) Local Traffic Only 1 x TC-68 Bicycle Lane Closed Sign 1 x TC-72 Temporary Single File 1 x TC-72S Temporary Single File 1 x TC-9B Flashing Light Unit (Caution)	
TC-61 Traffic Cones	Description	TC-145 Sidewalk Closed	Description		
 Weighted Base	Traffic Cones must be made from light weight, solidly coloured, bright orange material that is U.V. stabilized, and will not pose an injury hazard if struck. Traffic Cones may be used to delineate work areas, buffer areas, and transition area and termination area tapers when their use is indicated on an Application Guide. Where Traffic Cones are specified by an Application Guide, High Delineators may be used instead of the cones.		TC-145 (NS) Sidewalk Closed is used to indicate a sidewalk is closed.		
TC-9 Flashing Light Unit	Description	TC-64D Municipal Barricade, With Twin Rails	Description		
 Warning Bar (TC-9B)	Flashing Light Units may be vehicle or trailer mounted. When complete with arrow display capability, Flashing Light Units must be a minimum of 1450 X 600 mm.		TC-64D Municipal Barricades must be constructed of two lightweight rails which must be marked with 100 mm reflectorized vertical orange stripes alternating with 100 mm non-reflectorized vertical black stripes. The orange stripes must be reflectorized with ASTM D4956 Type III (high intensity) sheeting. The top rail must be between 1200 mm and 1500 mm from the road surface.		
TC-64A Light Barricade	Description	TC-141 Street Closed	Description		
	TC-64A Light Barricades must be constructed of lightweight material. The Light Barricade rail must be marked with 100 mm reflectorized vertical orange stripes alternating with 100 mm non-reflectorized vertical black stripes. The orange stripes must be reflectorized with ASTM D4956 Type III (high intensity) sheeting. The rail must be a minimum of 900 mm from the road surface.		TC-141 (NS) Street Closed is used as an acceptable sign for Municipal Barricades (TC-64D and TC-64E) to warn drivers that a road is closed. TC-141 (NS) must only be displayed in combination with a Municipal Barricade. The alternative wording, "Road Closed" is acceptable.		

Contact information		JOB SPECIFIC DETAILS				REVISIONS		 PAGE NO: 4
PLAN DESIGNER:	Sam Ritch (902) 717-6540	LOCATION:	118 WYSE RD			DESCRIPTION	DATE	
TRAFFIC CONTROL COMPANY:	Titan (800) 475-2156	PROJECT/SCOPE:	Sanitary Line Excavation					
CONTRACTOR:	BRYCON 902-468-0070	START DATE:	TBD	DURATION:	TBD			
EMERGENCY CONTACT:	Rick Bengele (902) 237-2414	CONTRACTOR:	BRYCON	WORK ORDER #	N/A			
		COUNTY:	HRM	PLAN SCALE:	Not To Scale			

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MANUAL GUIDES + PROCEDURES	
APPLICATION GUIDES:	A47 + A63L
SIGN PICKUP / PLACEMENT PROCEDURE:	13.5.3 + 13.5.4 + 13.5.14
DELINEATOR PICKUP / PLACEMENT PROCEDURE:	13.5.16 + 13.5.18

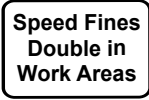
Contact information	
PLAN DESIGNER:	Sam Ritch (902) 717-6540
TRAFFIC CONTROL COMPANY:	Tiltan (800) 475-2156
CONTRACTOR:	BRYCON 902-468-0070
EMERGENCY CONTACT:	Rick Bengele (902) 237-2414

JOB SPECIFIC DETAILS			
LOCATION:	118 WYSE RD		
PROJECT/SCOPE:	Sanitary Line Excavation		
START DATE:	TBD	DURATION:	TBD
CONTRACTOR:	BRYCON	WORK ORDER #	N/A
COUNTY:	HRM	PLAN SCALE:	Not To Scale

REVISIONS	
DESCRIPTION	DATE

PAGE NO:
5

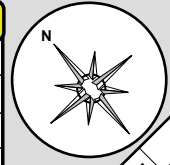
Plan 2 Sign + Device Index

TC-171 Speed fine Double	Description	TC-5L Left Lane Closed Ahead	Description
 Speed Fines Double in Work Areas	TC-171 (NS) Speed Fines Double in Work Areas is used to notify motorists that between the TC-2 and TC-4 signs and between the TC-114 (NS) and the TC-4 signs, fines for speeding are doubled. The combination of TC-171 (NS), TC-2 and TC-4, or TC-171 (NS), TC-114 (NS) and TC-4 signs must not be displayed when workplaces are inactive.		TC-5L Left Lane Closed Ahead is used to indicate that the left lane is closed for road work. TC-5L must only be used on a multi-lane highway or street or on a highway or street with a multi-lane approach to the work area. Where lane closures involve the closure of multiple lanes TC-5A (NS) is repeated in advance of the Transition Taper for each successive lane closure.
TC-1 Construction Ahead	Description	TC-103 Construction Zone	Description
	TC-1 Construction Ahead is used to provide advance warning of a major work area. This sign is generally used on long-term construction projects where drivers may encounter construction activities.		TC-103 (NS) Construction Zone is erected in advance of a work area as a general Temporary Condition Sign when a specific Temporary Condition Sign is not required and to remind drivers that they are in an area where they will encounter construction activities. It also advises drivers that although they may be in an area where construction activities have temporarily stopped, the roadway has not been returned to normal operating conditions.
TC-5LA Left Lane Closed Ahead Advance	Description	TC-6 Lane Closure Taper	Description
	TC-5LA Lane Closed Ahead Advance is used to give advance warning of lane closure(s) on 100 Series Highways and other roads and streets where advance warning is deemed appropriate.		TC-6 Lane Closure Taper is erected at the beginning of a Transition Taper on Multi-Lane highways as a final warning to drivers that a lane change is necessary.
TC-2 Road Work	Description	TC-4 Construction Ends	Description
	TC-2 Road Work is used to indicate that work area activities are occurring on or near the traveled portion of the road and that workers or equipment may be at risk or may pose a risk to the driver. TC-2 must not be displayed when work is not in progress. When TC-2 is mounted on a portable sign support it must display two red orange flags mounted on the top of the sign.		TC-4 Construction Ends is used to indicate to drivers that they have reached the end of a workplace and that they can expect normal roadway conditions on the remainder of the roadway.

Sign + Device Manifest

- 19 x TC-171 Speed fine Double
 14 x RB-31 Passing Prohibited Sign
 12 x TC-1 Construction Ahead
 12 x TC-2 Road Work
 10 x TC-4 Construction Ends
 5 x TC-103 Construction Zone
 5 x TC-5LA Left Lane Closed Ahead Advance
 3 x TC-5L Left Lane Closed
 2 x RB-25 Keep Right Sign
 2 x TC-145 Sidewalk Closed
 2 x TC-64A Barricade
 1 x TC-6 Lane Closure Taper
 1 x TC-9R Flashing Light Unit (Right Arrow)

Contact information		JOB SPECIFIC DETAILS				REVISIONS	
PLAN DESIGNER:	Sam Ritch (902) 717-6540	LOCATION:	118 WYSE RD			DESCRIPTION	DATE
TRAFFIC CONTROL COMPANY:	Titan (800) 475-2156	PROJECT/SCOPE:	Sanitary Line Excavation				
CONTRACTOR:	BRYCON 902-468-0070	START DATE:	TBD	DURATION:	TBD		
EMERGENCY CONTACT:	Rick Bingle (902) 237-2414	CONTRACTOR:	BRYCON	WORK ORDER #	N/A		
		COUNTY:	HRM	PLAN SCALE:	Not To Scale		



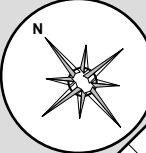
PAGE NO: 6

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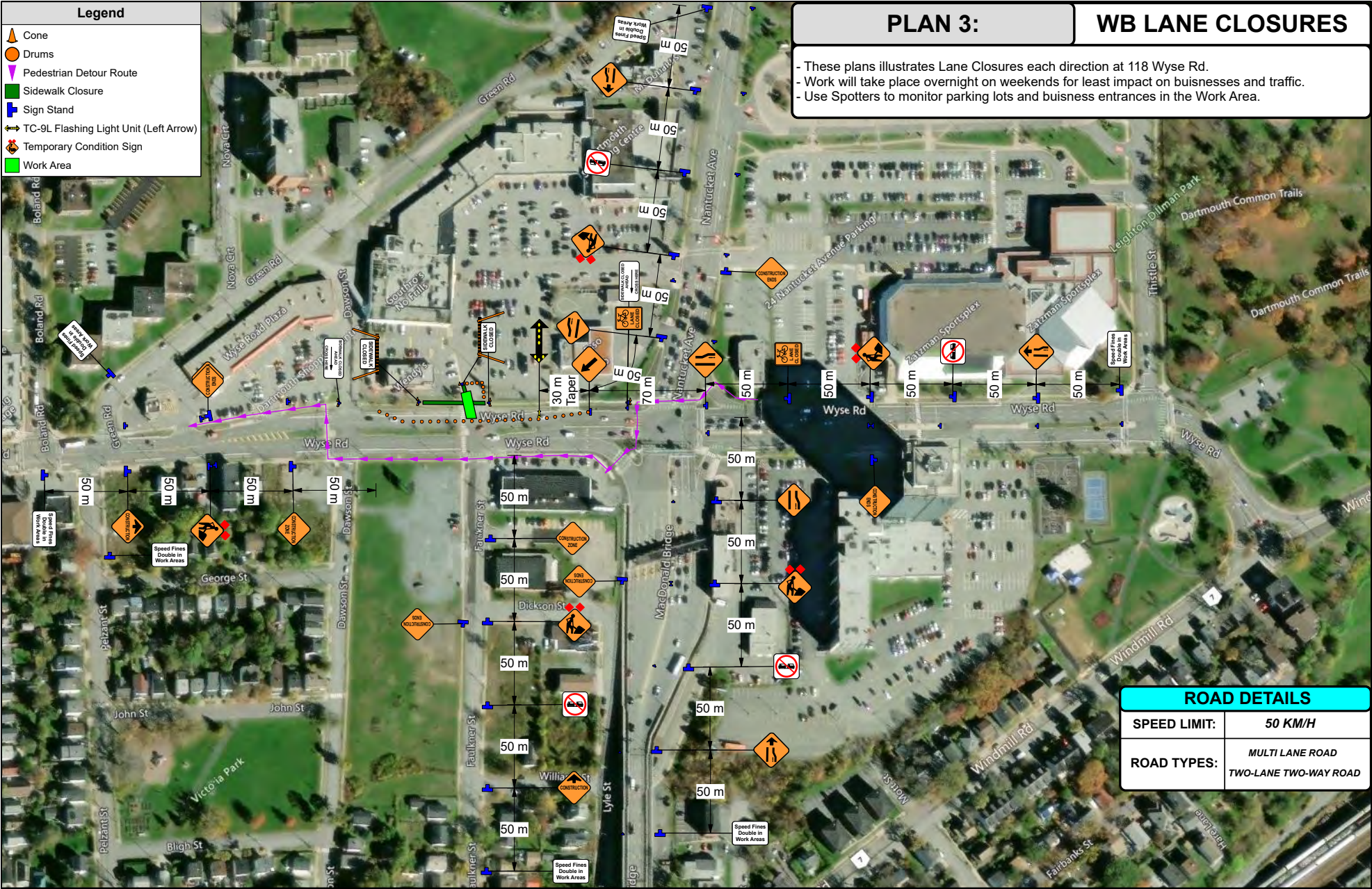
Plan 2 Sign + Device Index

RB-31 Passing Prohibited Sign	Description
	RB-31 Passing Prohibited Sign indicates to drivers that they must not overtake another vehicle.
RB-25 Keep Right Sign	Description
	RB-25 Keep Right Sign indicates that traffic must pass to the right of obstructions.
TC-63 Drums	Description
 Weighted Base	Drums must be used as shown on Application Guides and as described in text. They are a higher standard than, and except as prohibited at the beginning of section 9.2 in the NOVA SCOTIA TEMPORARY WORKPLACE TRAFFIC CONTROL MANUAL (Rev. 2024.04.02). (Delineators, Prohibited Use), may be substituted for cones, or high delineators.
TC-9 Flashing Light Unit	Description
 Right Arrow (TC-9R)	Flashing Light Units may be vehicle or trailer mounted. When complete with arrow display capability, Flashing Light Units must be a minimum of 1450 X 600 mm.

Sign + Device Manifest
19 x TC-171 Speed fine Double
14 x RB-31 Passing Prohibited Sign
12 x TC-1 Construction Ahead
12 x TC-2 Road Work
10 x TC-4 Construction Ends
5 x TC-103 Construction Zone
5 x TC-5LA Left Lane Closed Ahead Advance
3 x TC-5L Left Lane Closed
2 x RB-25 Keep Right Sign
2 x TC-145 Sidewalk Closed
2 x TC-64A Barricade
1 x TC-6 Lane Closure Taper
1 x TC-9R Flashing Light Unit (Right Arrow)

Contact information		JOB SPECIFIC DETAILS				REVISIONS		 PAGE NO: 7
PLAN DESIGNER:	Sam Ritch (902) 717-6540	LOCATION:	118 WYSE RD			DESCRIPTION	DATE	
TRAFFIC CONTROL COMPANY:	Titan (800) 475-2156	PROJECT/SCOPE:	Sanitary Line Excavation					
CONTRACTOR:	BRYCON 902-468-0070	START DATE:	TBD	DURATION:	TBD			
EMERGENCY CONTACT:	Rick Benge (902) 237-2414	CONTRACTOR:	BRYCON	WORK ORDER #	N/A			
		COUNTY:	HRM	PLAN SCALE:	Not To Scale			

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Plan 3 Sign + Device Index

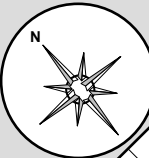
Sign + Device Manifest	
10 x TC-171 Speed fine Double 10 x TC-2 Road Work 7 x RB-31 Passing Prohibited Sign 6 x TC-4 Construction Ends 6 x TC-5R Right Lane Closed Ahead 6 x TC-5RA Right Lane Closed Ahead Advance 3 x TC-1 Construction Ahead 3 x TC-103 Construction Zone 3 x TC-68 Bicycle Lane Closed Sign 2 x TC-145 Sidewalk Closed 2 x TC-145A (NS) Sidewalk Closed Ahead Cross Here 2 x TC-64A Barricade 2 x TC-9L Flashing Light Unit (Left Arrow) 1 x TC-6 Lane Closure Taper	

TC-171 Speed fine Double	Description	TC-5R Right Lane Closed Ahead	Description
	TC-171 (NS) Speed Fines Double in Work Areas is used to notify motorists that between the TC-2 and TC-4 signs and between the TC-114 (NS) and the TC-4 signs, fines for speeding are doubled. The combination of TC-171 (NS), TC-2 and TC-4, or TC-171 (NS), TC-114 (NS) and TC-4 signs must not be displayed when workplaces are inactive.		TC-5L Left Lane Closed Ahead is used to indicate that the left lane is closed for road work. TC-5L must only be used on a multi-lane highway or street or on a highway or street with a multi-lane approach to the work area. Where lane closures involve the closure of multiple lanes TC-5A (NS) is repeated in advance of the Transition Taper for each successive lane closure.
TC-1 Construction Ahead	Description	TC-103 Construction Zone	Description
	TC-1 Construction Ahead is used to provide advance warning of a major work area. This sign is generally used on long-term construction projects where drivers may encounter construction activities.		TC-103 (NS) Construction Zone is erected in advance of a work area as a general Temporary Condition Sign when a specific Temporary Condition Sign is not required and to remind drivers that they are in an area where they will encounter construction activities. It also advises drivers that although they may be in an area where construction activities have temporarily stopped, the roadway has not been returned to normal operating conditions.
TC-5RA Right Lane Closed Ahead Advance	Description	TC-6 Lane Closure Taper	Description
	TC-5LA Lane Closed Ahead Advance is used to give advance warning of lane closure(s) on 100 Series Highways and other roads and streets where advance warning is deemed appropriate.		TC-6 Lane Closure Taper is erected at the beginning of a Transition Taper on Multi-Lane highways as a final warning to drivers that a lane change is necessary.
TC-2 Road Work	Description	TC-4 Construction Ends	Description
	TC-2 Road Work is used to indicate that work area activities are occurring on or near the traveled portion of the road and that workers or equipment may be at risk or may pose a risk to the driver. TC-2 must not be displayed when work is not in progress. When TC-2 is mounted on a portable sign support it must display two red orange flags mounted on the top of the sign.		TC-4 Construction Ends is used to indicate to drivers that they have reached the end of a workplace and that they can expect normal roadway conditions on the remainder of the roadway.

Contact information	
PLAN DESIGNER:	Sam Ritch (902) 717-6540
TRAFFIC CONTROL COMPANY:	Titan (800) 475-2156
CONTRACTOR:	BRYCON 902-468-0070
EMERGENCY CONTACT:	Rick Bengle (902) 237-2414

JOB SPECIFIC DETAILS				
LOCATION:	118 WYSE RD			
PROJECT/SCOPE:	Sanitary Line Excavation			
START DATE:	TBD	DURATION:	TBD	
CONTRACTOR:	BRYCON	WORK ORDER #	N/A	
COUNTY:	HRM	PLAN SCALE:	Not To Scale	

REVISIONS	
DESCRIPTION	DATE



PAGE NO:
9

DISCLAIMER: THIS PLAN IS A DRAFT FOR IMPLEMENTATION AT THE DIRECTION OF OTHERS. IT WAS PREPARED IN CONFORMANCE WITH TRAFFIC CONTROL STANDARDS ESTABLISHED BY THE NOVA SCOTIA TEMPORARY WORKPLACE TRAFFIC CONTROL MANUAL (Rev. 2024.04.02). FIELD ADJUSTMENTS MAY BE REQUIRED BY LOCALIZED AND/OR TEMPORARY TRAFFIC CONDITIONS. THE TRAFFIC CONTROL PLAN DESIGNER ASSUMES NO LIABILITY FOR ANY ACCIDENT, INJURY OR DEATH OCCURRING FROM THE USE OF THIS PLAN.

Plan 3 Sign + Device Index

RB-31 Passing Prohibited Sign  Description RB-31 Passing Prohibited Sign indicates to drivers that they must not overtake another vehicle.	TC-64A Light Barricade  Description TC-64A Light Barricades must be constructed of lightweight material. The Light Barricade rail must be marked with 100 mm reflectorized vertical orange stripes alternating with 100 mm non-reflectorized vertical black stripes. The orange stripes must be reflectorized with ASTM D4956 Type III (high intensity) sheeting. The rail must be a minimum of 900 mm from the road surface.
TC-63 Drums  Weighted Base Description Drums must be used as shown on Application Guides and as described in text. They are a higher standard than, and except as prohibited at the beginning of section 9.2 in the NOVA SCOTIA TEMPORARY WORKPLACE TRAFFIC CONTROL MANUAL (Rev. 2024.04.02). (Delineators, Prohibited Use), may be substituted for cones, or high delineators.	TC-145A (NS) Sidewalk Closed Ahead Cross Here  Description TC-145A (NS) Sidewalk Closed Ahead Cross Here is used to advise pedestrians that a sidewalk is closed ahead. The appropriate L (Cross to the Left Sidewalk) or R (Cross to the Right Sidewalk) version of the sign must be used.
TC-61 Traffic Cones  Weighted Base Description Traffic Cones must be made from light weight, solidly coloured, bright orange material that is U.V. stabilized, and will not pose an injury hazard if struck. Traffic Cones may be used to delineate work areas, buffer areas, and transition area and termination area tapers when their use is indicated on an Application Guide. Where Traffic Cones are specified by an Application Guide, High Delineators may be used instead of the cones.	TC-145 Sidewalk Closed  Description TC-145 (NS) Sidewalk Closed is used to indicate a sidewalk is closed.
TC-9 Flashing Light Unit  Left Arrow (TC-9L) Description Flashing Light Units may be vehicle or trailer mounted. When complete with arrow display capability, Flashing Light Units must be a minimum of 1450 X 600 mm.	

Sign + Device Manifest

- 10 x TC-171 Speed fine Double
- 10 x TC-2 Road Work
- 7 x RB-31 Passing Prohibited Sign
- 6 x TC-4 Construction Ends
- 6 x TC-5R Right Lane Closed Ahead
- 6 x TC-5RA Right Lane Closed Ahead Advance
- 3 x TC-1 Construction Ahead
- 3 x TC-103 Construction Zone
- 3 x TC-68 Bicycle Lane Closed Sign
- 2 x TC-145 Sidewalk Closed
- 2 x TC-145A (NS) Sidewalk Closed Ahead Cross Here
- 2 x TC-64A Barricade
- 2 x TC-9L Flashing Light Unit (Left Arrow)
- 1 x TC-6 Lane Closure Taper

Contact information

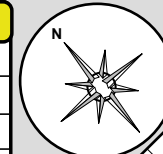
PLAN DESIGNER:	Sam Ritch (902) 717-6540
TRAFFIC CONTROL COMPANY:	Titan (800) 475-2156
CONTRACTOR:	BRYCON 902-468-0070
EMERGENCY CONTACT:	Rick Bengele (902) 237-2414

JOB SPECIFIC DETAILS

LOCATION:	118 WYSE RD		
PROJECT/SCOPE:	Sanitary Line Excavation		
START DATE:	TBD	DURATION:	TBD
CONTRACTOR:	BRYCON	WORK ORDER #	N/A
COUNTY:	HRM	PLAN SCALE:	Not To Scale

REVISIONS

DESCRIPTION	DATE



TRAFFIC CONTROL COMPANY



NAME:	TITAN TRAFFIC CONTROL
ADDRESS:	1-24 AKERLEY BLVD
PHONE NUMBER:	(800) 475-2156

CONTRACTOR



NAME:	BRYCON
ADDRESS:	67 Atlantic Street Dartmouth, NS B2Y4P4
PHONE NUMBER:	902-468-0070

PLAN DESIGNER

NAME:	SAM RITCH
PHONE NUMBER:	(902) 717-6540

Traffic Control Plan

SCOPE OF WORK :	Storm Drain Excavation
-----------------	------------------------

JOB SITE ADDRESS :	118 WYSE RD
--------------------	-------------

Date:
2024-12-05



LOCATION CORDINATES:	44.6704, -63.5789
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PAGE 1:	COVER PAGE
PAGE 2:	TRAFFIC CONTROL PLAN 1
PAGES 3-4:	PLAN 1 SIGN INDEX

GENERAL NOTES

- 1 REFER TO AND USE NOVA SCOTIA TEMPORARY WORKPLACE TRAFFIC CONTROL MANUAL (Rev. 2024.04.02) AS A MINIMUM STANDARD. REMOVE OR COVER CONFLICTING SIGNS.

2 MUST ALWAYS MONITOR AND MAINTAIN TRAFFIC CONTROL ZONES AT ALL TIMES. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL NOT BLOCK OR IMPAIR HYDRANTS AND/OR DRIVEWAYS/BUS STOPS.

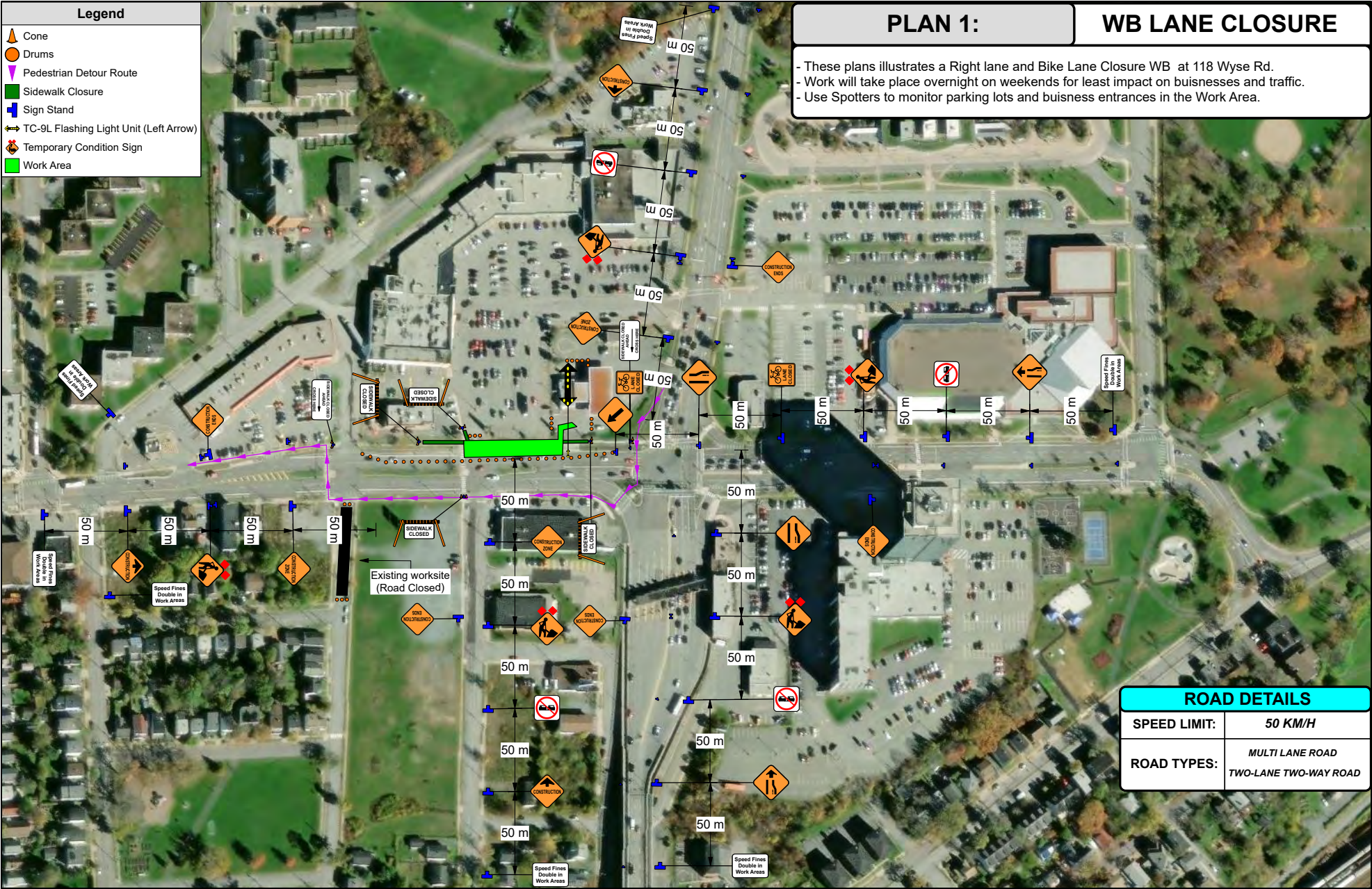
3 CHANNELING DEVICES, INDIVIDUAL SPACING, AND TAPER LENGTHS ARE BASED ON THE APPROPRIATE MEASUREMENTS RESPECTIVE TO THE CHARTS SHOWN IN THE APPLICATION GUIDES.
(SEE APPLICATION GUIDES WITHIN THESE PLANS).
- 4 SIGNS MUST BE POSITIONED SO THAT APPROACHING MOTORISTS CAN INTERPRET THEIR MESSAGE AND REACT SAFELY AND COMFORTABLY. WHERE THE POSITION OF A SIGN IS SPECIFIED BY AN APPLICATION GUIDE AND VIOLATES THIS PRINCIPLE, EXPAND THE PLACEMENT DISTANCE BY THE MINIMUM NEEDED TO MAKE THE SIGN EFFECTIVE.

5 THE LOCATION OF THE SIGNS SHOWN ON THIS ILLUSTRATION ARE GUIDELINES AND ACTUAL LOCATIONS WILL DEPEND UPON ALIGNMENT (CURVES), GRADE (HILLS) AND LOCATION OF STREET INTERSECTIONS. TEMPORARY TRAFFIC CONTROL SIGNAGE TO BE REMOVED OR COVERED DURING NON-WORKING HOURS. FIELD ADJUST AS NEEDED BY THE TRAINED TWS AND/OR CONTROLLING AUTHORITY.

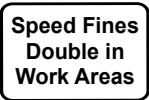
6 KEEP THE BUFFER AREA CLEAR OF OBSTRUCTIONS. DO NOT STORE MATERIAL, OR PARK EQUIPMENT OR VEHICLES IN THE BUFFER AREA EXCEPT:
• OPERATIONAL TRAFFIC CONTROL DEVICES MAY BE POSITIONED IN THE BUFFER AREA, INCLUDING FLASHING LIGHT UNITS.
• WHEN A PROTECTION OR SERVICE VEHICLE IS USED AS STATIONARY WORKER PROTECTION IT IS TYPICALLY POSITIONED CLOSE TO THE BOUNDARY BETWEEN THE TRANSITION TAPER AND THE BUFFER AREA.
- 7 PLAN MUST ALLOW FOR THE SAFE AND EFFICIENT PASSAGE OF EMERGENCY VEHICLES. ADVISE POLICE, FIRE AND OTHER EMERGENCY SERVICE PROVIDERS AND OTHER AGENCIES THAT MAY BE AFFECTED BY THE WORK.

8 TEMPORARY CONDITION SIGNS MUST MEET THE STANDARDS SHOWN IN THE MANUAL FOR APPEARANCE, SIZE, SHAPE, COLOUR AND LEVEL OF REFLECTIVITY. THEY MUST SHOW THE SAME APPEARANCE BY NIGHT AS BY DAY.

9 REGULATORY SIGNS USED AT TEMPORARY WORKPLACES MUST CONFORM WITH SIGNS SHOWN IN THE PROVINCE OF NOVA SCOTIA SCHEDULE OF OFFICIAL HIGHWAY SIGNS PUBLISHED BY THE MINISTER UNDER THE AUTHORITY OF SECTION 88 OF THE MOTOR VEHICLE ACT OF NOVA SCOTIA, AND OTHERWISE MEET STANDARDS SET BY THE MINISTER.



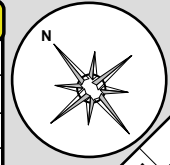
Plan 3 Sign + Device Index

TC-171 Speed fine Double	Description	TC-5R Right Lane Closed Ahead	Description
 Speed Fines Double in Work Areas	TC-171 (NS) Speed Fines Double in Work Areas is used to notify motorists that between the TC-2 and TC-4 signs and between the TC-114 (NS) and the TC-4 signs, fines for speeding are doubled. The combination of TC-171 (NS), TC-2 and TC-4, or TC-171 (NS), TC-114 (NS) and TC-4 signs must not be displayed when workplaces are inactive.		TC-5L Left Lane Closed Ahead is used to indicate that the left lane is closed for road work. TC-5L must only be used on a multi-lane highway or street or on a highway or street with a multi-lane approach to the work area. Where lane closures involve the closure of multiple lanes TC-5A (NS) is repeated in advance of the Transition Taper for each successive lane closure.
TC-1 Construction Ahead	Description	TC-103 Construction Zone	Description
	TC-1 Construction Ahead is used to provide advance warning of a major work area. This sign is generally used on long-term construction projects where drivers may encounter construction activities.		TC-103 (NS) Construction Zone is erected in advance of a work area as a general Temporary Condition Sign when a specific Temporary Condition Sign is not required and to remind drivers that they are in an area where they will encounter construction activities. It also advises drivers that although they may be in an area where construction activities have temporarily stopped, the roadway has not been returned to normal operating conditions.
TC-5RA Right Lane Closed Ahead Advance	Description	TC-6 Lane Closure Taper	Description
	TC-5LA Lane Closed Ahead Advance is used to give advance warning of lane closure(s) on 100 Series Highways and other roads and streets where advance warning is deemed appropriate.		TC-6 Lane Closure Taper is erected at the beginning of a Transition Taper on Multi-Lane highways as a final warning to drivers that a lane change is necessary.
TC-2 Road Work	Description	TC-4 Construction Ends	Description
	TC-2 Road Work is used to indicate that work area activities are occurring on or near the traveled portion of the road and that workers or equipment may be at risk or may pose a risk to the driver. TC-2 must not be displayed when work is not in progress. When TC-2 is mounted on a portable sign support it must display two red orange flags mounted on the top of the sign.		TC-4 Construction Ends is used to indicate to drivers that they have reached the end of a workplace and that they can expect normal roadway conditions on the remainder of the roadway.

Sign + Device Manifest

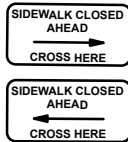
- 10 x** TC-2 Road Work
9 x TC-171 Speed fine Double
7 x RB-31 Passing Prohibited Sign
6 x TC-4 Construction Ends
5 x TC-1 Construction Ahead
5 x TC-103 Construction Zone
4 x TC-145 Sidewalk Closed
4 x TC-5R Right Lane Closed Ahead
4 x TC-5RA Right Lane Closed Ahead Advance
4 x TC-64A Barricade
2 x TC-145A (NS) Sidewalk Closed Ahead Cross Here
2 x TC-68 Bicycle Lane Closed Sign
2 x TC-9L Flashing Light Unit (Left Arrow)
1 x TC-6 Lane Closure Taper

Contact information		JOB SPECIFIC DETAILS				REVISIONS	
PLAN DESIGNER:	Sam Ritch (902) 717-6540	LOCATION:	118 WYSE RD			DESCRIPTION	DATE
TRAFFIC CONTROL COMPANY:	Titan (800) 475-2156	PROJECT/SCOPE:	Storm Drain Excavation				
CONTRACTOR:	BRYCON 902-468-0070	START DATE:	TBD	DURATION:	TBD		
EMERGENCY CONTACT:	Rick Bengle (902) 237-2414	CONTRACTOR:	BRYCON	WORK ORDER #	N/A		
		COUNTY:	HRM	PLAN SCALE:	Not To Scale		

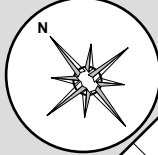


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Plan 3 Sign + Device Index

RB-31 Passing Prohibited Sign		Description	
	RB-31 Passing Prohibited Sign indicates to drivers that they must not overtake another vehicle.		
TC-63 Drums		Description	
 Weighted Base	Drums must be used as shown on Application Guides and as described in text. They are a higher standard than, and except as prohibited at the beginning of section 9.2 in the NOVA SCOTIA TEMPORARY WORKPLACE TRAFFIC CONTROL MANUAL (Rev. 2024.04.02). (Delineators, Prohibited Use), may be substituted for cones, or high delineators.		
TC-61 Traffic Cones		Description	
 Weighted Base	Traffic Cones must be made from light weight, solidly coloured, bright orange material that is U.V. stabilized, and will not pose an injury hazard if struck. Traffic Cones may be used to delineate work areas, buffer areas, and transition area and termination area tapers when their use is indicated on an Application Guide. Where Traffic Cones are specified by an Application Guide, High Delineators may be used instead of the cones.		
TC-9 Flashing Light Unit		Description	
 Left Arrow (TC-9L)	Flashing Light Units may be vehicle or trailer mounted. When complete with arrow display capability, Flashing Light Units must be a minimum of 1450 X 600 mm.		
TC-64A Light Barricade		Description	
	TC-64A Light Barricades must be constructed of lightweight material. The Light Barricade rail must be marked with 100 mm reflectorized vertical orange stripes alternating with 100 mm non-reflectorized vertical black stripes. The orange stripes must be reflectorized with ASTM D4956 Type III (high intensity) sheeting. The rail must be a minimum of 900 mm from the road surface.		
TC-145A (NS) Sidewalk Closed Ahead Cross Here		Description	
	TC-145A (NS) Sidewalk Closed Ahead Cross Here is used to advise pedestrians that a sidewalk is closed ahead. The appropriate L (Cross to the Left Sidewalk) or R (Cross to the Right Sidewalk) version of the sign must be used.		
TC-145 Sidewalk Closed		Description	
	TC-145 (NS) Sidewalk Closed is used to indicate a sidewalk is closed.		

Sign + Device Manifest
10 x TC-2 Road Work
9 x TC-171 Speed fine Double
7 x RB-31 Passing Prohibited Sign
6 x TC-4 Construction Ends
5 x TC-1 Construction Ahead
5 x TC-103 Construction Zone
4 x TC-145 Sidewalk Closed
4 x TC-5R Right Lane Closed Ahead
4 x TC-5RA Right Lane Closed Ahead Advance
4 x TC-64A Barricade
2 x TC-145A (NS) Sidewalk Closed Ahead Cross Here
2 x TC-68 Bicycle Lane Closed Sign
2 x TC-9L Flashing Light Unit (Left Arrow)
1 x TC-6 Lane Closure Taper

Contact information		JOB SPECIFIC DETAILS				REVISIONS		 PAGE NO: 4
PLAN DESIGNER:	Sam Ritch (902) 717-6540	LOCATION:	118 WYSE RD			DESCRIPTION	DATE	
TRAFFIC CONTROL COMPANY:	Titan (800) 475-2156	PROJECT/SCOPE:	Storm Drain Excavation					
CONTRACTOR:	BRYCON 902-468-0070	START DATE:	TBD	DURATION:	TBD			
EMERGENCY CONTACT:	Rick Bingle (902) 237-2414	CONTRACTOR:	BRYCON	WORK ORDER #	N/A			
		COUNTY:	HRM	PLAN SCALE:	Not To Scale			

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TRAFFIC CONTROL COMPANY



NAME:	TITAN TRAFFIC CONTROL
ADDRESS:	1-24 AKERLEY BLVD
PHONE NUMBER:	(800) 475-2156

CONTRACTOR



NAME:	BRYCON
ADDRESS:	67 Atlantic Street Dartmouth, NS B2Y4P4
PHONE NUMBER:	902-468-0070

PLAN DESIGNER

NAME: SAM RITCH
PHONE NUMBER: (902) 717-6540

Traffic Control Plan

SCOPE OF WORK :

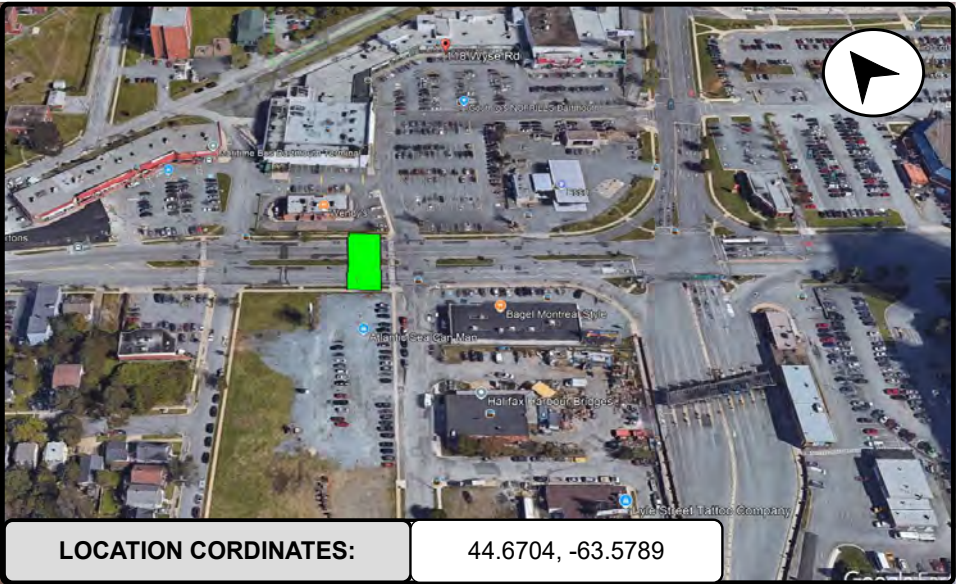
Watermain Excavation

JOB SITE ADDRESS :

118 WYSE RD

Date:

2024-12-05



LOCATION CORDINATES:

44.6704, -63.5789

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PAGE 5:	TRAFFIC CONTROL PLAN 2
PAGES 6-7:	PLAN 2 SIGN INDEX
PAGE 8:	TRAFFIC CONTROL PLAN 3
PAGES 9-10:	PLAN 3 SIGN INDEX

GENERAL NOTES

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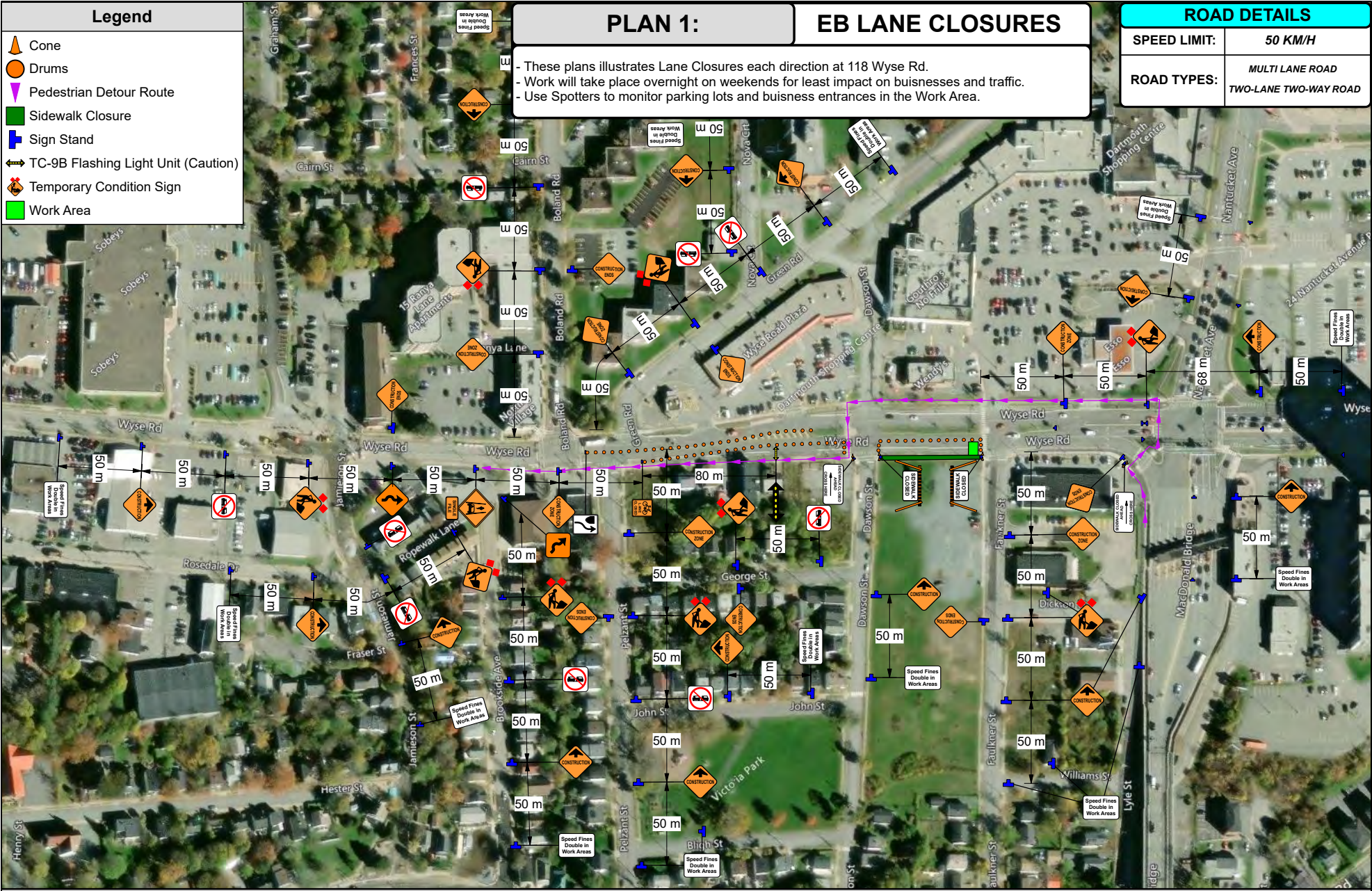
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5 THE LOCATION OF THE SIGNS SHOWN ON THIS ILLUSTRATION ARE GUIDELINES AND ACTUAL LOCATIONS WILL DEPEND UPON ALIGNMENT (CURVES), GRADE (HILLS) AND LOCATION OF STREET INTERSECTIONS. TEMPORARY TRAFFIC CONTROL SIGNAGE TO BE REMOVED OR COVERED DURING NON-WORKING HOURS. FIELD ADJUST AS NEEDED BY THE TRAINED TWS AND/OR CONTROLLING AUTHORITY.

6 KEEP THE BUFFER AREA CLEAR OF OBSTRUCTIONS. DO NOT STORE MATERIAL, OR PARK EQUIPMENT OR VEHICLES IN THE BUFFER AREA EXCEPT:
• OPERATIONAL TRAFFIC CONTROL DEVICES MAY BE POSITIONED IN THE BUFFER AREA, INCLUDING FLASHING LIGHT UNITS.
• WHEN A PROTECTION OR SERVICE VEHICLE IS USED AS STATIONARY WORKER PROTECTION IT IS TYPICALLY POSITIONED CLOSE TO THE BOUNDARY BETWEEN THE TRANSITION TAPER AND THE BUFFER AREA.
- 7 PLAN MUST ALLOW FOR THE SAFE AND EFFICIENT PASSAGE OF EMERGENCY VEHICLES. ADVISE POLICE, FIRE AND OTHER EMERGENCY SERVICE PROVIDERS AND OTHER AGENCIES THAT MAY BE AFFECTED BY THE WORK.

8 TEMPORARY CONDITION SIGNS MUST MEET THE STANDARDS SHOWN IN THE MANUAL FOR APPEARANCE, SIZE, SHAPE, COLOUR AND LEVEL OF REFLECTIVITY. THEY MUST SHOW THE SAME APPEARANCE BY NIGHT AS BY DAY.

9 REGULATORY SIGNS USED AT TEMPORARY WORKPLACES MUST CONFORM WITH SIGNS SHOWN IN THE PROVINCE OF NOVA SCOTIA SCHEDULE OF OFFICIAL HIGHWAY SIGNS PUBLISHED BY THE MINISTER UNDER THE AUTHORITY OF SECTION 88 OF THE MOTOR VEHICLE ACT OF NOVA SCOTIA, AND OTHERWISE MEET STANDARDS SET BY THE MINISTER.



Plan 1 Sign + Device Index

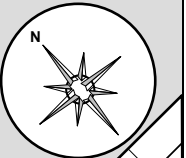
TC-171 Speed fine Double	Description Speed Fines Double in Work Areas TC-171 (NS) Speed Fines Double in Work Areas is used to notify motorists that between the TC-2 and TC-4 signs and between the TC-114 (NS) and the TC-4 signs, fines for speeding are doubled. The combination of TC-171 (NS), TC-2 and TC-4, or TC-171 (NS), TC-114 (NS) and TC-4 signs must not be displayed when workplaces are inactive.
TC-103 Construction Zone	Description CONSTRUCTION ZONE TC-103 (NS) Construction Zone is erected in advance of a work area as a general Temporary Condition Sign when a specific Temporary Condition Sign is not required and to remind drivers that they are in an area where they will encounter construction activities. It also advises drivers that although they may be in an area where construction activities have temporarily stopped, the roadway has not been returned to normal operating conditions.
TC-1 Construction Ahead	Description CONSTRUCTION TC-1 Construction Ahead is used to provide advance warning of a major work area. This sign is generally used on long-term construction projects where drivers may encounter construction activities.
TC-4 Construction Ends	Description CONSTRUCTION ENDS TC-4 Construction Ends is used to indicate to drivers that they have reached the end of a workplace and that they can expect normal roadway conditions on the remainder of the roadway.
TC-2 Road Work	Description TC-2 Road Work is used to indicate that work area activities are occurring on or near the traveled portion of the road and that workers or equipment may be at risk or may pose a risk to the driver. TC-2 must not be displayed when work is not in progress. When TC-2 is mounted on a portable sign support it must display two red orange flags mounted on the top of the sign.
RB-31 Passing Prohibited Sign	Description RB-31 Passing Prohibited Sign indicates to drivers that they must not overtake another vehicle.
TC-13L Road Diversion	Description TC-13L Road Diversion is used to indicate a brief Left, "TC13L" or Right, "TC-13R" change in the road alignment, but with no reduction in the number of lanes.
RB-25 Keep Right Sign	Description RB-25 Keep Right Sign indicates that traffic must pass to the right of obstructions.

Sign + Device Manifest
20 x TC-171 Speed fine Double
18 x TC-1 Construction Ahead
11 x TC-2 Road Work
9 x RB-31 Passing Prohibited Sign
9 x TC-4 Construction Ends
7 x TC-103 Construction Zone
2 x TC-13L Road Diversion
2 x TC-145 Sidewalk Closed
2 x TC-145A (NS) Sidewalk Closed Ahead Cross Here
2 x TC-64A Barricade
1 x RB-25 Keep Right Sign
1 x TC-68 Bicycle Lane Closed Sign
1 x TC-72 Temporary Single File
1 x TC-72S Temporary Single File
1 x TC-9B Flashing Light Unit (Caution)

Contact information	
PLAN DESIGNER:	Sam Ritch (902) 717-6540
TRAFFIC CONTROL COMPANY:	Titan (800) 475-2156
CONTRACTOR:	BRYCON 902-468-0070
EMERGENCY CONTACT:	Rick Bengle (902) 237-2414

JOB SPECIFIC DETAILS			
LOCATION:	118 WYSE RD		
PROJECT/SCOPE:	Watermain Excavation		
START DATE:	TBD	DURATION:	TBD
CONTRACTOR:	BRYCON	WORK ORDER #	N/A
COUNTY:	HRM	PLAN SCALE:	Not To Scale

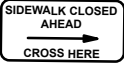
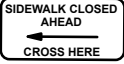
REVISIONS	
DESCRIPTION	DATE



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Plan 1 Sign + Device Index

TC-63 Drums  Weighted Base Description Drums must be used as shown on Application Guides and as described in text. They are a higher standard than, and except as prohibited at the beginning of section 9.2 in the NOVA SCOTIA TEMPORARY WORKPLACE TRAFFIC CONTROL MANUAL (Rev. 2024.04.02), (Delineators, Prohibited Use), may be substituted for cones, or high delineators.	TC-145A (NS) Sidewalk Closed Ahead Cross Here  CROSS HERE  CROSS HERE Description TC-145A (NS) Sidewalk Closed Ahead Cross Here is used to advise pedestrians that a sidewalk is closed ahead. The appropriate L (Cross to the Left Sidewalk) or R (Cross to the Right Sidewalk) version of the sign must be used.
TC-61 Traffic Cones  Weighted Base Description Traffic Cones must be made from light weight, solidly coloured, bright orange material that is U.V. stabilized, and will not pose an injury hazard if struck. Traffic Cones may be used to delineate work areas, buffer areas, and transition area and termination area tapers when their use is indicated on an Application Guide. Where Traffic Cones are specified by an Application Guide, High Delineators may be used instead of the cones.	TC-145 Sidewalk Closed  SIDEWALK CLOSED Description TC-145 (NS) Sidewalk Closed is used to indicate a sidewalk is closed.
TC-9 Flashing Light Unit  Warning Bar (TC-9B) Description Flashing Light Units may be vehicle or trailer mounted. When complete with arrow display capability, Flashing Light Units must be a minimum of 1450 X 600 mm.	
TC-64A Light Barricade  Description TC-64A Light Barricades must be constructed of lightweight material. The Light Barricade rail must be marked with 100 mm reflectorized vertical orange stripes alternating with 100 mm non-reflectorized vertical black stripes. The orange stripes must be reflectorized with ASTM D4956 Type III (high intensity) sheeting. The rail must be a minimum of 900 mm from the road surface.	

Sign + Device Manifest

20 x TC-171 Speed fine Double

18 x TC-1 Construction Ahead

11 x TC-2 Road Work

9 x RB-31 Passing Prohibited Sign

9 x TC-4 Construction Ends

7 x TC-103 Construction Zone

2 x TC-13L Road Diversion

2 x TC-145 Sidewalk Closed

2 x TC-145A (NS) Sidewalk Closed Ahead Cross Here

2 x TC-64A Barricade

1 x RB-25 Keep Right Sign

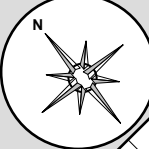
1 x TC-68 Bicycle Lane Closed Sign

1 x TC-72 Temporary Single File

1 x TC-72S Temporary Single File

1 x TC-9B Flashing Light Unit (Caution)

Contact information		JOB SPECIFIC DETAILS				REVISIONS	
PLAN DESIGNER:	Sam Ritch (902) 717-6540	LOCATION:	118 WYSE RD			DESCRIPTION	DATE
TRAFFIC CONTROL COMPANY:	Titan (800) 475-2156	PROJECT/SCOPE:	Watermain Excavation				
CONTRACTOR:	BRYCON 902-468-0070	START DATE:	TBD	DURATION:	TBD		
EMERGENCY CONTACT:	Rick Bengele (902) 237-2414	CONTRACTOR:	BRYCON	WORK ORDER #	N/A		
		COUNTY:	HRM	PLAN SCALE:	Not To Scale		

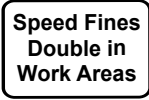


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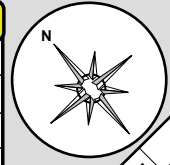
Plan 2 Sign + Device Index

TC-171 Speed fine Double	Description	TC-5L Left Lane Closed Ahead	Description
 Speed Fines Double in Work Areas	TC-171 (NS) Speed Fines Double in Work Areas is used to notify motorists that between the TC-2 and TC-4 signs and between the TC-114 (NS) and the TC-4 signs, fines for speeding are doubled. The combination of TC-171 (NS), TC-2 and TC-4, or TC-171 (NS), TC-114 (NS) and TC-4 signs must not be displayed when workplaces are inactive.		TC-5L Left Lane Closed Ahead is used to indicate that the left lane is closed for road work. TC-5L must only be used on a multi-lane highway or street or on a highway or street with a multi-lane approach to the work area. Where lane closures involve the closure of multiple lanes TC-5A (NS) is repeated in advance of the Transition Taper for each successive lane closure.
TC-1 Construction Ahead	Description	TC-103 Construction Zone	Description
	TC-1 Construction Ahead is used to provide advance warning of a major work area. This sign is generally used on long-term construction projects where drivers may encounter construction activities.		TC-103 (NS) Construction Zone is erected in advance of a work area as a general Temporary Condition Sign when a specific Temporary Condition Sign is not required and to remind drivers that they are in an area where they will encounter construction activities. It also advises drivers that although they may be in an area where construction activities have temporarily stopped, the roadway has not been returned to normal operating conditions.
TC-5LA Left Lane Closed Ahead Advance	Description	TC-6 Lane Closure Taper	Description
	TC-5LA Lane Closed Ahead Advance is used to give advance warning of lane closure(s) on 100 Series Highways and other roads and streets where advance warning is deemed appropriate.		TC-6 Lane Closure Taper is erected at the beginning of a Transition Taper on Multi-Lane highways as a final warning to drivers that a lane change is necessary.
TC-2 Road Work	Description	TC-4 Construction Ends	Description
	TC-2 Road Work is used to indicate that work area activities are occurring on or near the traveled portion of the road and that workers or equipment may be at risk or may pose a risk to the driver. TC-2 must not be displayed when work is not in progress. When TC-2 is mounted on a portable sign support it must display two red orange flags mounted on the top of the sign.		TC-4 Construction Ends is used to indicate to drivers that they have reached the end of a workplace and that they can expect normal roadway conditions on the remainder of the roadway.

Sign + Device Manifest

- 19 x TC-171 Speed fine Double
 14 x RB-31 Passing Prohibited Sign
 12 x TC-1 Construction Ahead
 12 x TC-2 Road Work
 8 x TC-4 Construction Ends
 5 x TC-103 Construction Zone
 5 x TC-5LA Left Lane Closed Ahead Advance
 4 x TC-5L Left Lane Closed
 2 x RB-25 Keep Right Sign
 2 x TC-145 Sidewalk Closed
 2 x TC-64A Barricade
 1 x TC-9R Flashing Light Unit (Right Arrow)

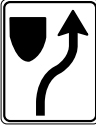
Contact information		JOB SPECIFIC DETAILS				REVISIONS	
PLAN DESIGNER:	Sam Ritch (902) 717-6540	LOCATION:	118 WYSE RD			DESCRIPTION	DATE
TRAFFIC CONTROL COMPANY:	Titan (800) 475-2156	PROJECT/SCOPE:	Watermain Excavation				
CONTRACTOR:	BRYCON 902-468-0070	START DATE:	TBD	DURATION:	TBD		
EMERGENCY CONTACT:	Rick Bingle (902) 237-2414	CONTRACTOR:	BRYCON	WORK ORDER #	N/A		
		COUNTY:	HRM	PLAN SCALE:	Not To Scale		



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Plan 2 Sign + Device Index

RB-31 Passing Prohibited Sign  RB-31 Passing Prohibited Sign indicates to drivers that they must not overtake another vehicle.	TC-64A Light Barricade  TC-64A Light Barricades must be constructed of lightweight material. The Light Barricade rail must be marked with 100 mm reflectorized vertical orange stripes alternating with 100 mm non-reflectorized vertical black stripes. The orange stripes must be reflectorized with ASTM D4956 Type III (high intensity) sheeting. The rail must be a minimum of 900 mm from the road surface.
RB-25 Keep Right Sign  RB-25 Keep Right Sign indicates that traffic must pass to the right of obstructions.	TC-145 Sidewalk Closed  TC-145 (NS) Sidewalk Closed is used to indicate a sidewalk is closed.
TC-63 Drums  Weighted Base Drums must be used as shown on Application Guides and as described in text. They are a higher standard than, and except as prohibited at the beginning of section 9.2 in the NOVA SCOTIA TEMPORARY WORKPLACE TRAFFIC CONTROL MANUAL (Rev. 2024.04.02). (Delineators, Prohibited Use), may be substituted for cones, or high delineators.	
TC-9 Flashing Light Unit  Right Arrow (TC-9R) Flashing Light Units may be vehicle or trailer mounted. When complete with arrow display capability, Flashing Light Units must be a minimum of 1450 X 600 mm.	

Sign + Device Manifest

19 x TC-171 Speed fine Double

14 x RB-31 Passing Prohibited Sign

12 x TC-1 Construction Ahead

12 x TC-2 Road Work

8 x TC-4 Construction Ends

5 x TC-103 Construction Zone

5 x TC-5LA Left Lane Closed Ahead Advance

4 x TC-5L Left Lane Closed

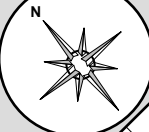
2 x RB-25 Keep Right Sign

2 x TC-145 Sidewalk Closed

2 x TC-64A Barricade

1 x TC-9R Flashing Light Unit (Right Arrow)

Contact information		JOB SPECIFIC DETAILS				REVISIONS	
PLAN DESIGNER:	Sam Ritch (902) 717-6540	LOCATION:	118 WYSE RD			DESCRIPTION	DATE
TRAFFIC CONTROL COMPANY:	Titan (800) 475-2156	PROJECT/SCOPE:	Watermain Excavation				
CONTRACTOR:	BRYCON 902-468-0070	START DATE:	TBD	DURATION:	TBD		
EMERGENCY CONTACT:	Rick Benge (902) 237-2414	CONTRACTOR:	BRYCON	WORK ORDER #	N/A		
		COUNTY:	HRM	PLAN SCALE:	Not To Scale		



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MANUAL GUIDES + PROCEDURES	
APPLICATION GUIDES:	A63R
SIGN PICKUP / PLACEMENT PROCEDURE:	13.5.3 + 13.5.4 + 13.5.14
DELINEATOR PICKUP / PLACEMENT PROCEDURE:	13.5.16 + 13.5.18

Contact information	
PLAN DESIGNER:	Sam Ritch (902) 717-6540
TRAFFIC CONTROL COMPANY:	Titan (800) 475-2156
CONTRACTOR:	BRYCON 902-468-0070
EMERGENCY CONTACT:	Rick Benge (902) 237-2414

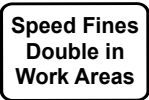
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LOCATION:	118 WYSE RD		
PROJECT/SCOPE:	Watermain Excavation		
START DATE:	TBD	DURATION:	TBD
CONTRACTOR:	BRYCON	WORK ORDER #	N/A
COUNTY:	HRM	PLAN SCALE:	Not To Scale

REVISIONS	
DESCRIPTION	DATE

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PAGE NO: 8

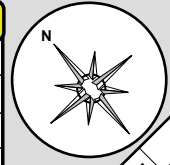
Plan 3 Sign + Device Index

TC-171 Speed fine Double	Description	TC-5R Right Lane Closed Ahead	Description
 Speed Fines Double in Work Areas	TC-171 (NS) Speed Fines Double in Work Areas is used to notify motorists that between the TC-2 and TC-4 signs and between the TC-114 (NS) and the TC-4 signs, fines for speeding are doubled. The combination of TC-171 (NS), TC-2 and TC-4, or TC-171 (NS), TC-114 (NS) and TC-4 signs must not be displayed when workplaces are inactive.		TC-5L Left Lane Closed Ahead is used to indicate that the left lane is closed for road work. TC-5L must only be used on a multi-lane highway or street or on a highway or street with a multi-lane approach to the work area. Where lane closures involve the closure of multiple lanes TC-5A (NS) is repeated in advance of the Transition Taper for each successive lane closure.
TC-1 Construction Ahead	Description	TC-103 Construction Zone	Description
	TC-1 Construction Ahead is used to provide advance warning of a major work area. This sign is generally used on long-term construction projects where drivers may encounter construction activities.		TC-103 (NS) Construction Zone is erected in advance of a work area as a general Temporary Condition Sign when a specific Temporary Condition Sign is not required and to remind drivers that they are in an area where they will encounter construction activities. It also advises drivers that although they may be in an area where construction activities have temporarily stopped, the roadway has not been returned to normal operating conditions.
TC-5RA Right Lane Closed Ahead Advance	Description	TC-6 Lane Closure Taper	Description
	TC-5LA Lane Closed Ahead Advance is used to give advance warning of lane closure(s) on 100 Series Highways and other roads and streets where advance warning is deemed appropriate.		TC-6 Lane Closure Taper is erected at the beginning of a Transition Taper on Multi-Lane highways as a final warning to drivers that a lane change is necessary.
TC-2 Road Work	Description	TC-4 Construction Ends	Description
	TC-2 Road Work is used to indicate that work area activities are occurring on or near the traveled portion of the road and that workers or equipment may be at risk or may pose a risk to the driver. TC-2 must not be displayed when work is not in progress. When TC-2 is mounted on a portable sign support it must display two red orange flags mounted on the top of the sign.		TC-4 Construction Ends is used to indicate to drivers that they have reached the end of a workplace and that they can expect normal roadway conditions on the remainder of the roadway.

Sign + Device Manifest

10 x TC-2 Road Work
 9 x TC-171 Speed fine Double
 9 x TC-4 Construction Ends
 7 x RB-31 Passing Prohibited Sign
 5 x TC-1 Construction Ahead
 5 x TC-5R Right Lane Closed Ahead
 3 x TC-103 Construction Zone
 2 x TC-145 Sidewalk Closed
 2 x TC-145A (NS) Sidewalk Closed Ahead Cross Here
 2 x TC-5LA Left Lane Closed Ahead Advance
 2 x TC-5RA Right Lane Closed Ahead Advance
 2 x TC-64A Barricade
 2 x TC-9L Flashing Light Unit (Left Arrow)
 1 x TC-6 Lane Closure Taper
 1 x TC-68 Bicycle Lane Closed Sign

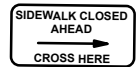
Contact information		JOB SPECIFIC DETAILS				REVISIONS	
PLAN DESIGNER:	Sam Ritch (902) 717-6540	LOCATION:	118 WYSE RD			DESCRIPTION	DATE
TRAFFIC CONTROL COMPANY:	Titan (800) 475-2156	PROJECT/SCOPE:	Watermain Excavation				
CONTRACTOR:	BRYCON 902-468-0070	START DATE:	TBD	DURATION:	TBD		
EMERGENCY CONTACT:	Rick Bengle (902) 237-2414	CONTRACTOR:	BRYCON	WORK ORDER #	N/A		
		COUNTY:	HRM	PLAN SCALE:	Not To Scale		



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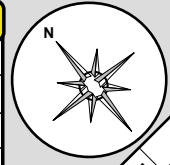
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Plan 3 Sign + Device Index

RB-31 Passing Prohibited Sign	Description
	RB-31 Passing Prohibited Sign indicates to drivers that they must not overtake another vehicle.
TC-63 Drums	Description
 Weighted Base	Drums must be used as shown on Application Guides and as described in text. They are a higher standard than, and except as prohibited at the beginning of section 9.2 in the NOVA SCOTIA TEMPORARY WORKPLACE TRAFFIC CONTROL MANUAL (Rev. 2024.04.02). (Delineators, Prohibited Use), may be substituted for cones, or high delineators.
TC-61 Traffic Cones	Description
 Weighted Base	Traffic Cones must be made from light weight, solidly coloured, bright orange material that is U.V. stabilized, and will not pose an injury hazard if struck. Traffic Cones may be used to delineate work areas, buffer areas, and transition area and termination area tapers when their use is indicated on an Application Guide. Where Traffic Cones are specified by an Application Guide, High Delineators may be used instead of the cones.
TC-9 Flashing Light Unit	Description
 Left Arrow (TC-9L)	Flashing Light Units may be vehicle or trailer mounted. When complete with arrow display capability, Flashing Light Units must be a minimum of 1450 X 600 mm.
TC-64A Light Barricade	Description
	TC-64A Light Barricades must be constructed of lightweight material. The Light Barricade rail must be marked with 100 mm reflectorized vertical orange stripes alternating with 100 mm non-reflectorized vertical black stripes. The orange stripes must be reflectorized with ASTM D4956 Type III (high intensity) sheeting. The rail must be a minimum of 900 mm from the road surface.
TC-145A (NS) Sidewalk Closed Ahead Cross Here	Description
 	TC-145A (NS) Sidewalk Closed Ahead Cross Here is used to advise pedestrians that a sidewalk is closed ahead. The appropriate L (Cross to the Left Sidewalk) or R (Cross to the Right Sidewalk) version of the sign must be used.
TC-145 Sidewalk Closed	Description
	TC-145 (NS) Sidewalk Closed is used to indicate a sidewalk is closed.

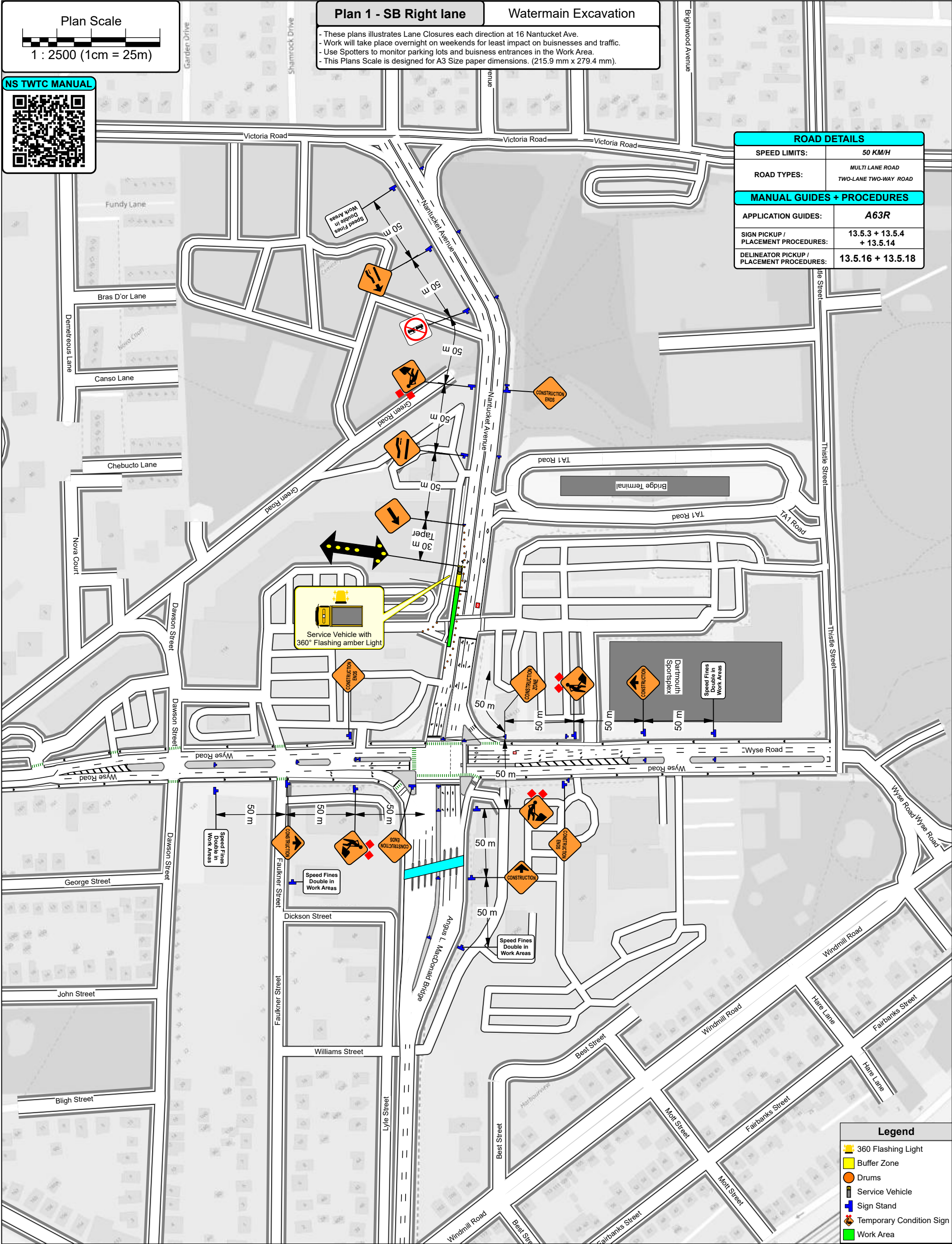
Sign + Device Manifest
10 x TC-2 Road Work 9 x TC-171 Speed fine Double 9 x TC-4 Construction Ends 7 x RB-31 Passing Prohibited Sign 5 x TC-1 Construction Ahead 5 x TC-5R Right Lane Closed Ahead 3 x TC-103 Construction Zone 2 x TC-145 Sidewalk Closed 2 x TC-145A (NS) Sidewalk Closed Ahead Cross Here 2 x TC-5LA Left Lane Closed Ahead Advance 2 x TC-5RA Right Lane Closed Ahead Advance 2 x TC-64A Barricade 2 x TC-9L Flashing Light Unit (Left Arrow) 1 x TC-6 Lane Closure Taper 1 x TC-68 Bicycle Lane Closed Sign

Contact information		JOB SPECIFIC DETAILS				REVISIONS	
PLAN DESIGNER:	Sam Ritch (902) 717-6540	LOCATION:	118 WYSE RD			DESCRIPTION	DATE
TRAFFIC CONTROL COMPANY:	Titan (800) 475-2156	PROJECT/SCOPE:	Watermain Excavation				
CONTRACTOR:	BRYCON 902-468-0070	START DATE:	TBD	DURATION:	TBD		
EMERGENCY CONTACT:	Rick Bengele (902) 237-2414	CONTRACTOR:	BRYCON	WORK ORDER #	N/A		
		COUNTY:	HRM	PLAN SCALE:	Not To Scale		



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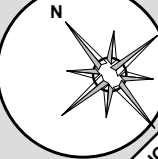
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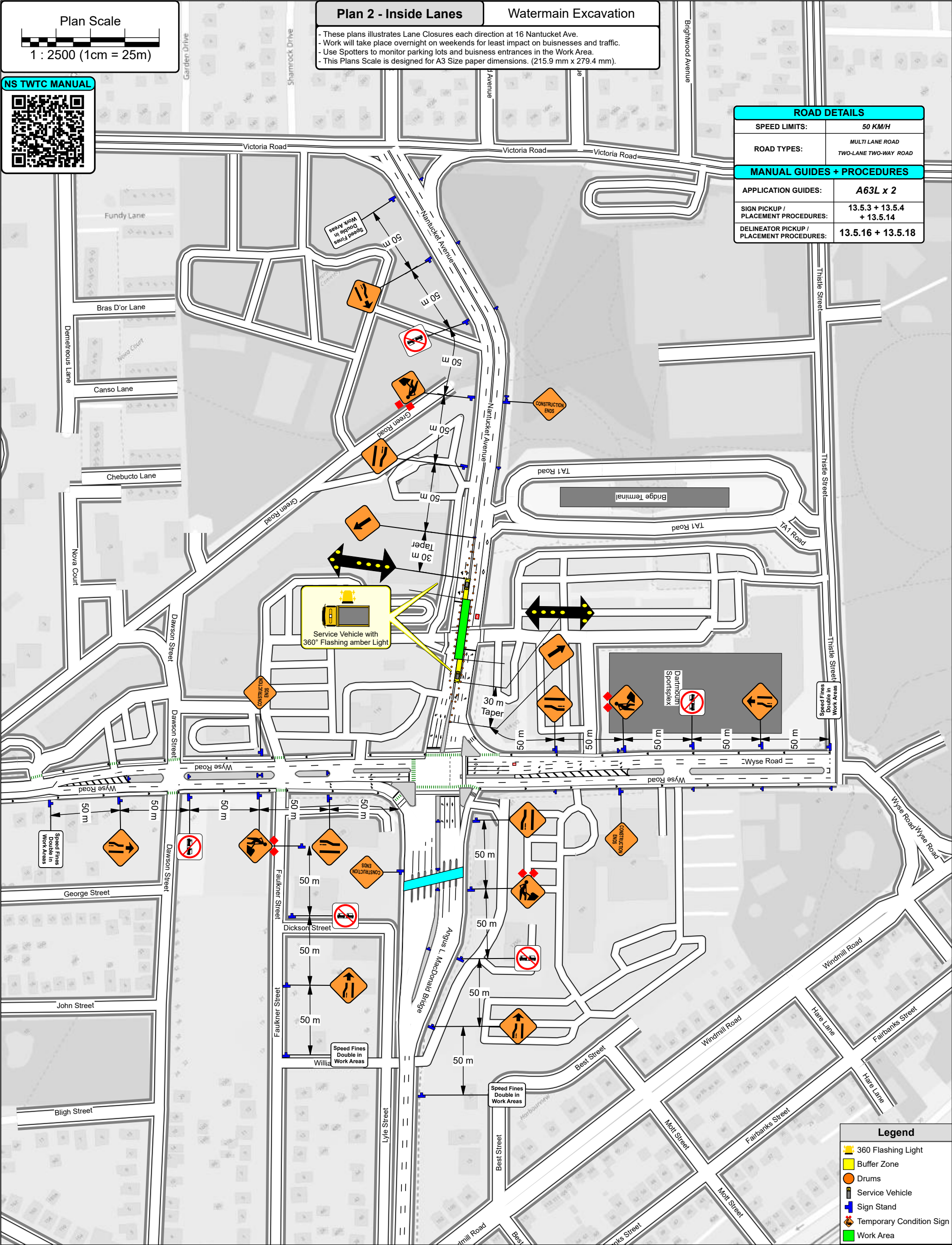
Contact information	
PLAN DESIGNER:	Sam Ritch (902) 717-6540
TRAFFIC CONTROL COMPANY:	Titan (800) 475-2156
CONTRACTOR:	BRYCON 902-443-8870
EMERGENCY CONTACT:	Rick Benge (902) 237-2414

JOB SPECIFIC DETAILS			
LOCATION:	16 Nantucket Ave		
PROJECT/SCOPE:	Watermain Excavation		
START DATE:	TBD	DURATION:	TBD
CONTRACTOR:	BRYCON	WORK ORDER #	N/A
COUNTY:	HRM	PLAN SCALE:	1 : 2500 (1cm = 25m)

DESCRIPTION	DATE



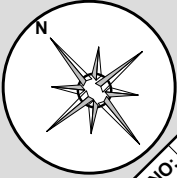
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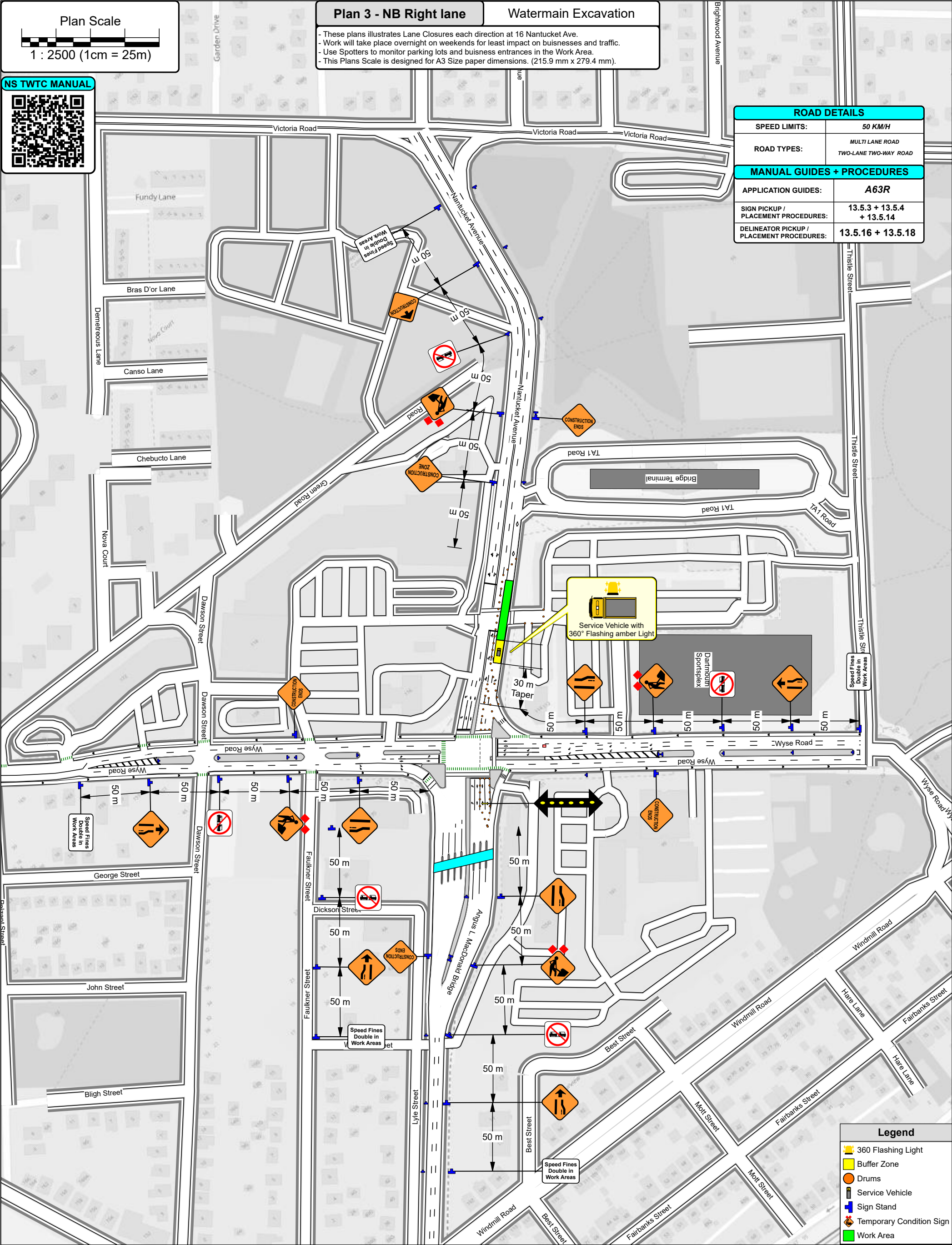


Contact information	
PLAN DESIGNER:	Sam Ritch (902) 717-6540
TRAFFIC CONTROL COMPANY:	Titan (800) 475-2156
CONTRACTOR:	BRYCON 902-443-8870
EMERGENCY CONTACT:	Rick Benge (902) 237-2414

JOB SPECIFIC DETAILS			
LOCATION:	16 Nantucket Ave		
PROJECT/SCOPE:	Watermain Excavation		
START DATE:	TBD	DURATION:	TBD
CONTRACTOR:	BRYCON	WORK ORDER #	N/A
COUNTY:	HRM	PLAN SCALE:	1 : 2500 (1cm = 25m)

DESCRIPTION	DATE

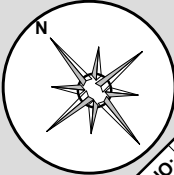




Contact information	
PLAN DESIGNER:	Sam Ritch (902) 717-6540
TRAFFIC CONTROL COMPANY:	Titan (800) 475-2156
CONTRACTOR:	BRYCON 902-443-8870
EMERGENCY CONTACT:	Rick Benge (902) 237-2414

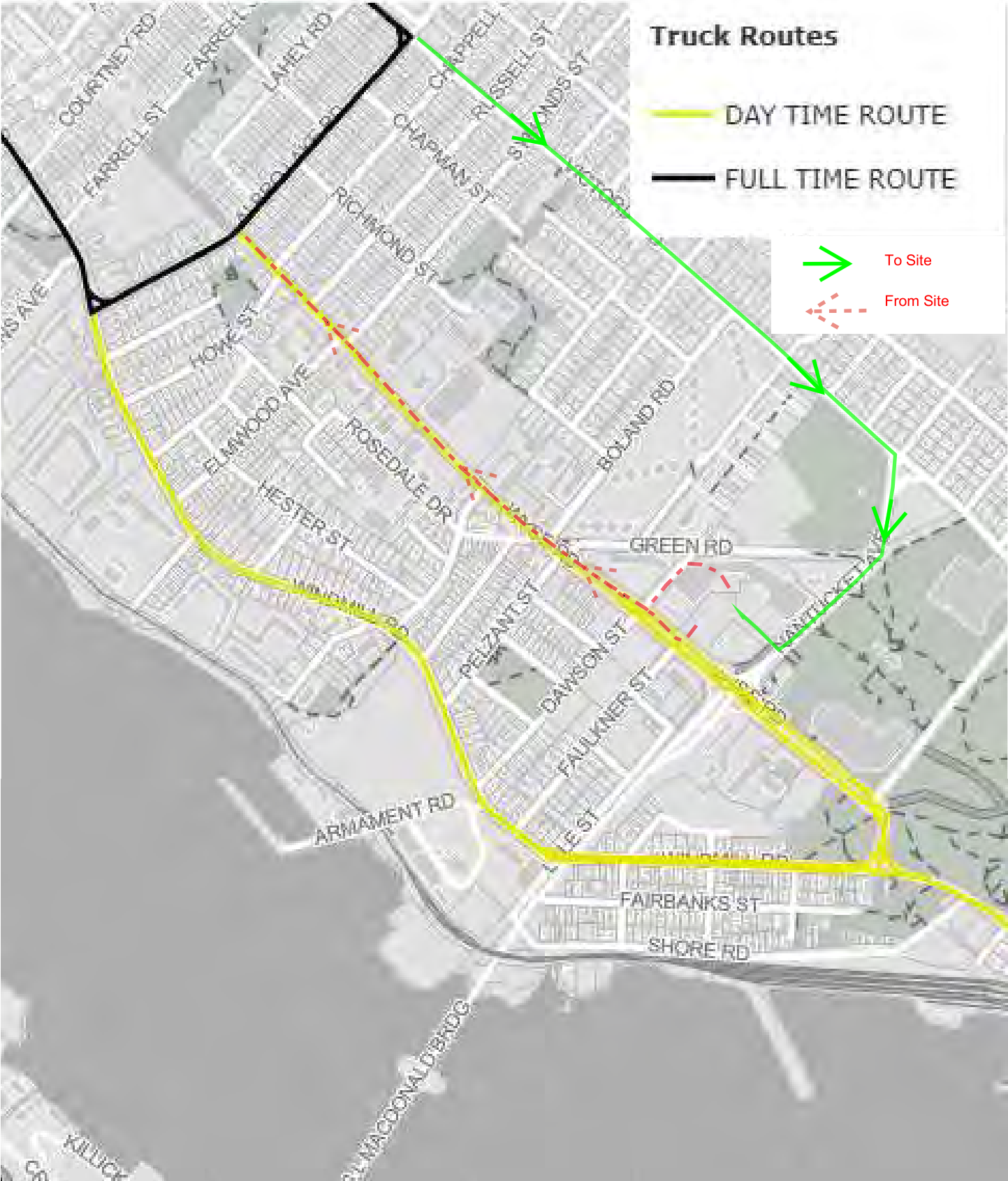
JOB SPECIFIC DETAILS			
LOCATION:	16 Nantucket Ave		
PROJECT/SCOPE:	Watermain Excavation		
START DATE:	TBD	DURATION:	TBD
CONTRACTOR:	BRYCON	WORK ORDER #	N/A
COUNTY:	HRM	PLAN SCALE:	1 : 2500 (1cm = 25m)

DESCRIPTION	DATE



Appendix C – Haul Route Plan

Haul Route Plan



Appendix D – Pedestrian Management Plan (PMP)

See Appendix B Traffic Control Plans include the Pedestrian Management

Appendix E – Barriers, Fence & Gates Information

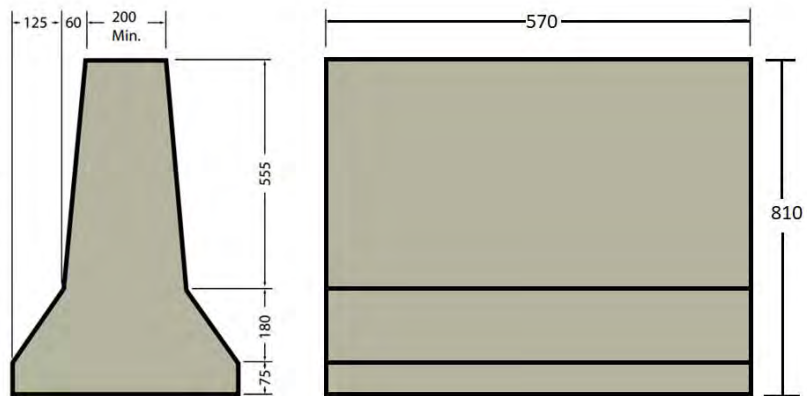
Sample Barrier & Fence Details

F-shape Barrier

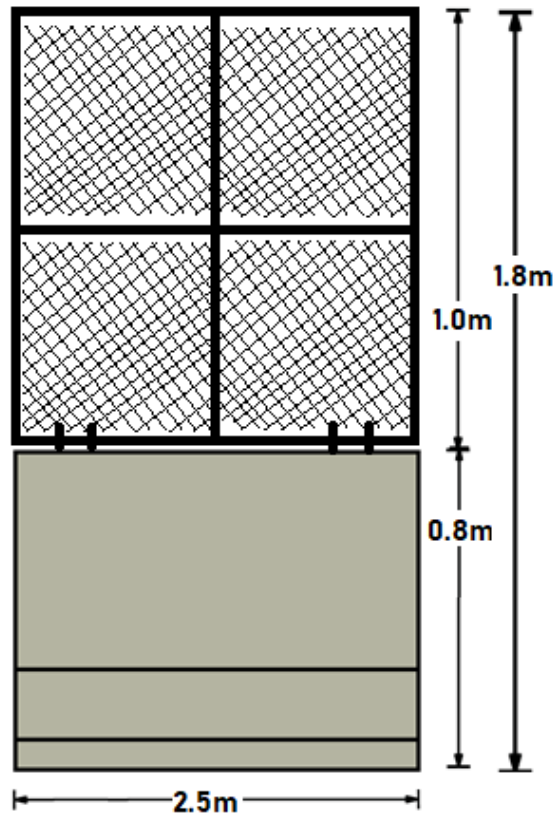
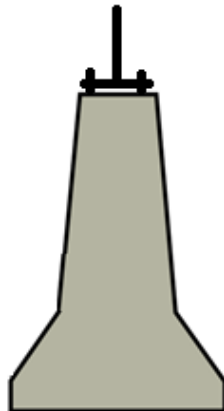
Approved Barrier Designs

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

Dimensions are in mm

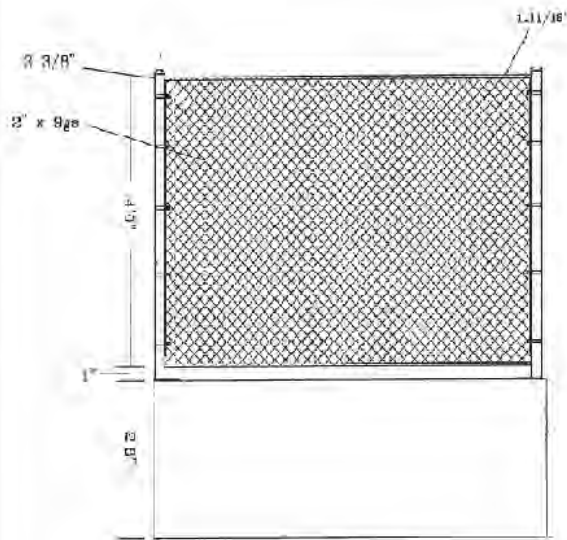
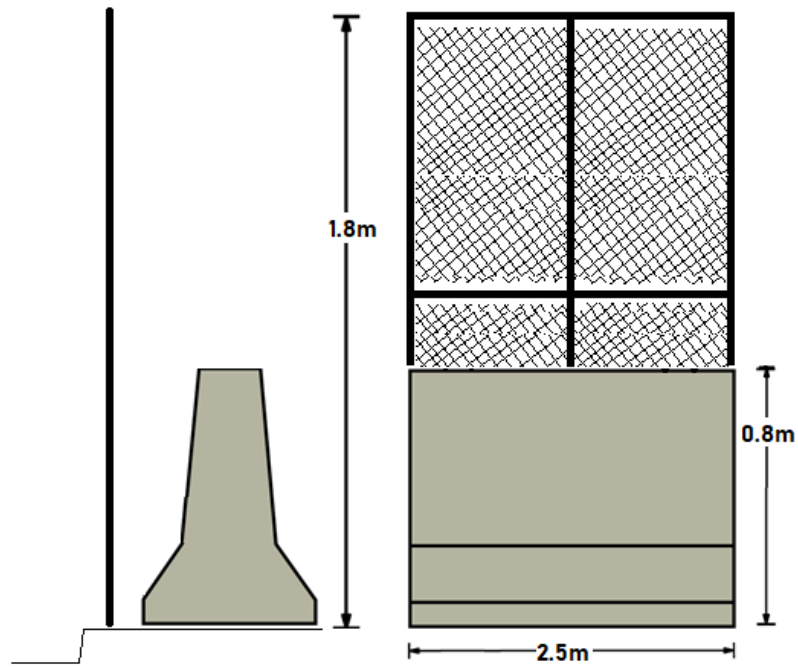


Chain link fence mounted on top of F-type interlocking concrete jersey barrier

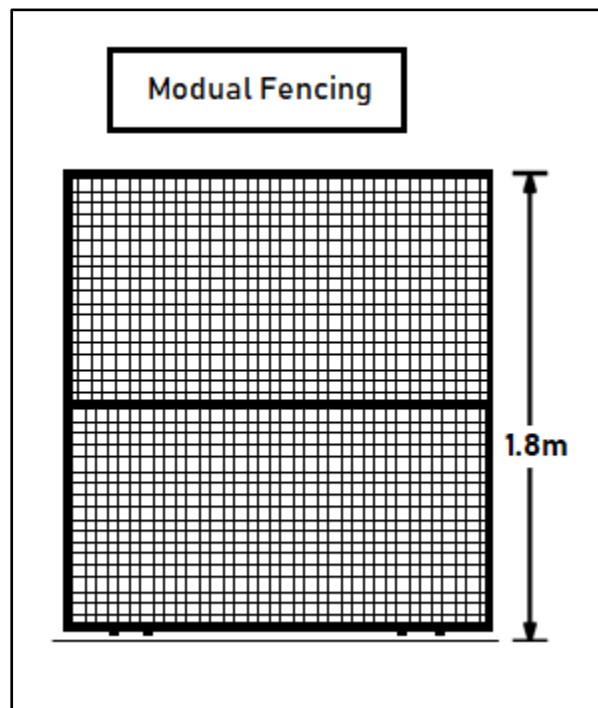
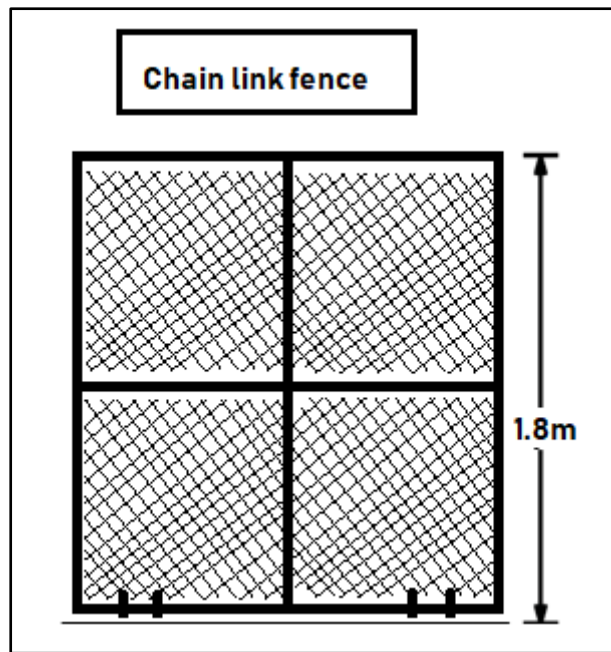


Note: All F-type concrete barriers within the street shall have reflective tape on them.

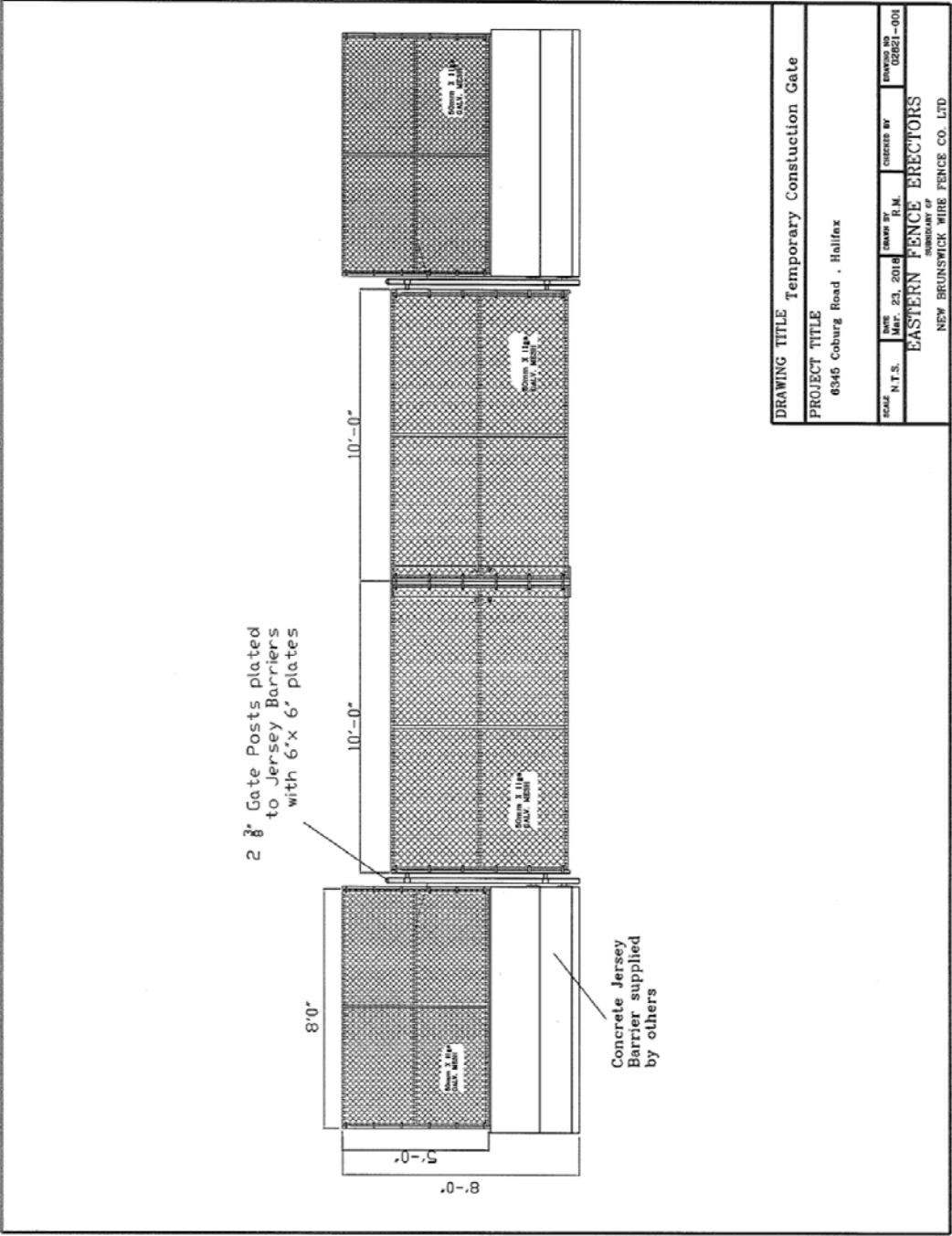
Fence mounted to curb with interlocking F-type concrete jersey barriers set beside



DRAWING				
SHOP DRAWING				
DRAWING TITLE				
PROJECT TITLE				
DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
1/1/1	1/1/1	1/1/1	1/1/1	1/1/1
EASTERN FENCE				
A DIVISION OF				
WYN INDUSTRIES WIRE FENCE CO. LTD.				



Sample Gate Detail



Appendix F – Hoarding Information

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

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

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

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

Tarp Option



Print Banner Option



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

Material Details

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

Applications

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

Ink Printability

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

Available Sizes

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

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

ULTRAFLEX

Ultraflex Systems Inc.
Headquarters
203 Kasey Lane, Suite E
Tampa, FL 33619
P: (813) 627-6608
Email: sales@ultraflex.com

www.ultraflex.com
updated: 12/2016

Ultraflex Systems Inc.
1578 Sunset Turnpike, Bldg. 4
Randolph, NJ 07065
P: (973) 627-8806
F: (973) 627-8806
Email: sales@ultraflex.com

Ultraflex Europe
Unit 1 Hardwick Road Industrial Park
Great Grimsden Bedfordshire
England SG19 3BJ
Phone: (44) 1767-677-100
Email: sales@ultraflexeurope.com

Ultraflex Mexico
Avenida No. 112, Col. Granjas México
Del. Iztacalco, C.P. 06400, México D.F.
Tel: (52) 55 1623632, 3162 3698
01 800 822 52 31
Email: sales.mx@ultraflex.com

Ultraflex Guadalajara
Av. Patria No. 2804
Loma Bonita Sur,
Zapopan, Jalisco CP45080
México
Tel: (52) 33 12-049-857

Appendix G – Project Information Board



**PROPOSED MULTI-UNIT BUILDING
118 Wyse Road**

40 Storey – Residential Building

+/- 300 Units

Green Roof Outdoor Amenity Space

2 Levels Commercial Space

3 Levels of Underground Parking

2 Levels of Upper Interior Parking

March 2025 – June 2029

Owner/Developer:

Green Road Holdings Inc.
1181 Larry Uteck Boulevard, Suite 201,
Bedford, NS, B4B 0S9

24 Hour Emergency Contact:

Jim Kanellakos – (902) 471-4349

Contractor:

Brycon Construction
67 Atlantic Street, Dartmouth, NS B2Y 4P4

Contact:

Thomas MacDonald - (902) 229-8023

Traffic Control:

Titan Traffic Services

Contact:

Rick Bengle - (902) 237-2414

Rodent Control Company:

Rentokil Pest Control
51 Duke Street, Bedford, Bedford, NS

Contact:

Main Office - (902) 835-2304

Appendix H – Project Safety Signage

**NO
TRESPASSING**

! WARNING

CONSTRUCTION SITE




To reduce risk of injury,

- Hard Hat
- Safety Shoes

MUST be worn on this site.



Appendix I – Project Signage Specifications

Signage Specifications: Project Signage shall;

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

Samples



Appendix J – Sample Traffic Notification Letter



Proposed Multi-Unit Residential Building

DRAFT NOTIFICATION LETTER

TO WHOM IT MAY CONCERN

Date

NOTIFICATION OF TRAFFIC DISRUPTION: STREET NAME, DARTMOUTH, NOVA SCOTIA

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

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

CONTACT INFORMATION

Site Contractor:

Brycon Construction

67 Atlantic Street,

Dartmouth, NS

B2Y 4P4

Phone: (902) 229-8023

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

Yours Truly,

Thomas MacDonald

Brycon Construction

Appendix K – Vehicular and Pedestrian Hazard Assessment

Project

Date:

Location:

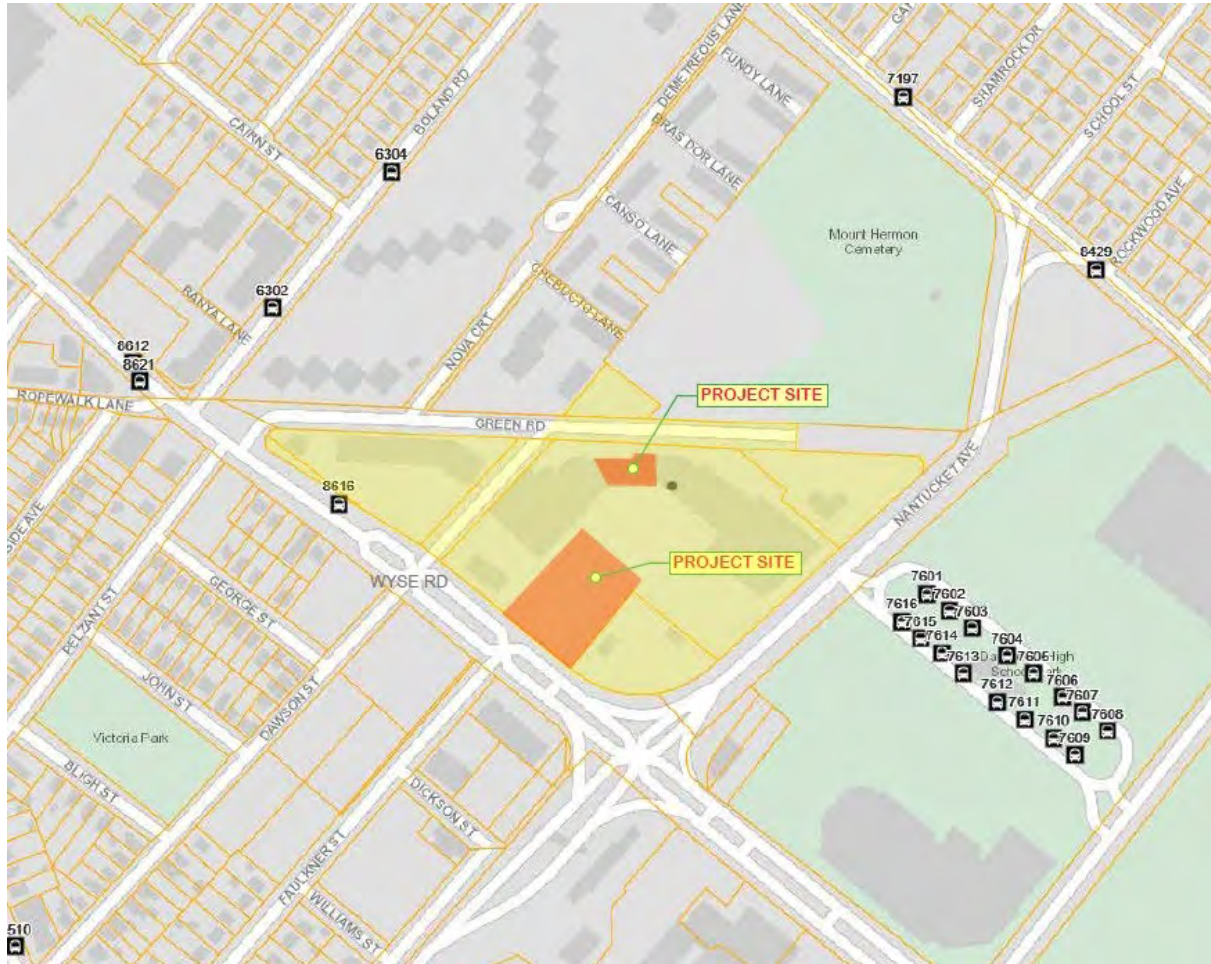
VEHICULAR & PEDESTRIAN HAZARD ASSESSMENT

No.	Hazard:	Project Phase:	Vehicular Impacts:	Mitigation Methods:	Pedestrian Impacts:	Mitigation Methods:
1	Building Demolition	Demolition	Debris may fall off building, damaging vehicles.	Spotters to be present to ensure vehicles temporarily do not park adjacent to site during front wall tear down.	Debris may fall off building, injuring pedestrians.	Temporarily close sidewalks adjacent to site, moving pedestrians to opposite side of street.
2	Excavation	Excavation	Vehicles may enter project site and fall down excavation. Vehicle weight may surcharge excavation, causing excavation wall failure.	Place concrete barriers along travel ways. Concrete barriers and existing curbs to prevent vehicle entry. Close sidewalks & driveways adjacent to project site, moving vehicles farther away from excavation.	Pedestrians may enter project site and fall down excavation.	Place concrete barriers/rigid fencing around entire project site.
3	Rock Blasting	Excavation	Blasted rock projectiles may strike vehicles.	Close sidewalks & driveways adjacent to site, moving vehicles farther away from blasted rock.	Blasted rock projectiles may strike pedestrians.	Install solid plywood hoarding along rigid fence adjacent to blasting zone.
4	Construction Waste	All Phases	Vehicles may be struck by construction waste.	The contractor shall keep the project site and surrounding areas clean and free of construction debris.	Pedestrians may be struck by construction waste.	The contractor shall keep the project site and surrounding areas clean and free of construction debris.
5	Vehicular & Pedestrian Activities	All Phases	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.
6	Heavy Machinery Operation	All Phases	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. Concrete barriers will be installed to separate construction vehicles from public traffic.	Heavy machinery or vehicles may break down or overturn, injuring pedestrians.	The contractor shall maintain safe distances between pedestrians, vehicles, and heavy machinery. Rigid fences will be installed to separate construction vehicles from pedestrians.
			Heavy machinery or vehicles may overturn due to uneven terrain, damaging other vehicles.	The contractor shall maintain safe distances between vehicles and heavy machinery on-site and ensure travel routes are kept flat.	Heavy machinery or vehicles may overturn due to uneven terrain, injuring pedestrians. Pedestrians may walk on uneven terrain causing them to twist their ankles or fall.	The contractor shall maintain safe distances between pedestrians, vehicles, and heavy machinery and ensure travel routes are kept flat.
7	Construction Signage	All Phases	Construction signage may strike vehicular traffic.	Construction signage will be securely fixed to existing poles, temporary concrete sign bases, or rigid fences.	Pedestrians may walk into construction signage, including traffic signage, wayfinding signs, etc. may.	Signage will be angled in line with pedestrian routes and/or be placed at heights such that they do not pose a risk to pedestrians.
					Construction signage may strike pedestrians.	Construction signage will be securely fixed to existing poles, temporary concrete sign bases, or rigid fences.
8	Dangerous Materials	All Phases	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.
9	Hoisting Operations	Superstructure	Precast concrete panels and other 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. F-Type concrete barriers will be installed such that loads are never suspended above the public realm.	Precast concrete panels and other 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. Pedestrians will be moved to opposite sides of street from the project site or onto temporary sidewalks such that loads are never suspended above the public realm.
10	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. Concrete barriers will be installed to separate construction vehicles from public traffic during public infrastructure reinstatement and service installation.	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.
11	Fallen debris	Superstructure	Debris may fall from upper stories of the new building causing damage to vehicles.	F-Type concrete barriers will be installed such that a safe distance is maintained between the building envelope and vehicular traffic.	Debris may fall from upper stories of the new building injuring pedestrians.	Construction of upper building levels will be set back from the property line/rigid fencing, this separating pedestrians from potential fallen debris.

Appendix L – Community Consultation Records

COMMUNITY CONSULTATION MAP OVERVIEW

Project – Dartmouth Shopping Centre Redevelopment



Notification Letter

Date: *****

Green Road Holdings Inc. – Building Construction Information Meeting

Dear Neighbour,

As you may be aware, we are planning an apartment building construction project located at 118 Wyse Road in Dartmouth.

If you are interested in receiving more information about our construction plans, practices, schedule and to go over any questions you may have regarding construction of our new project please contact us to discuss. We would be happy to meet with you to discuss.

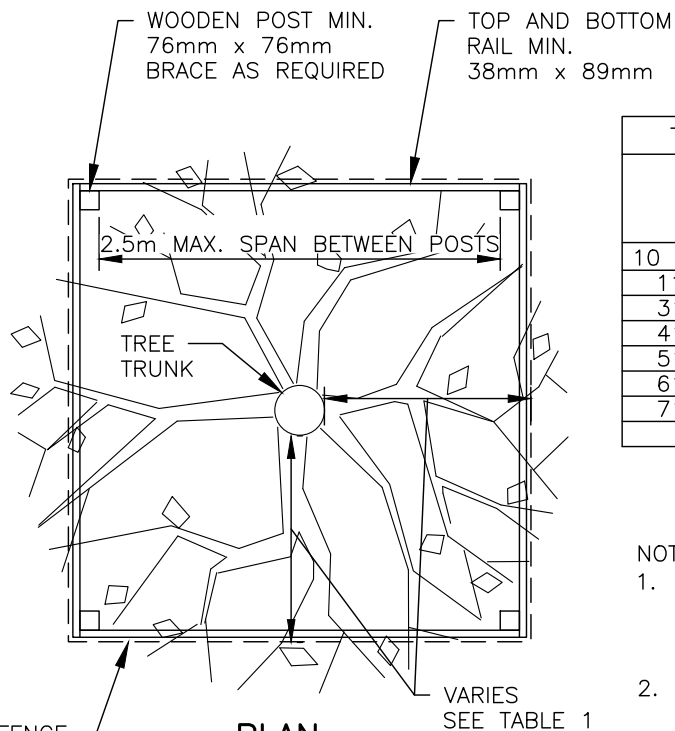
Thank you.

Jim Kanellakos

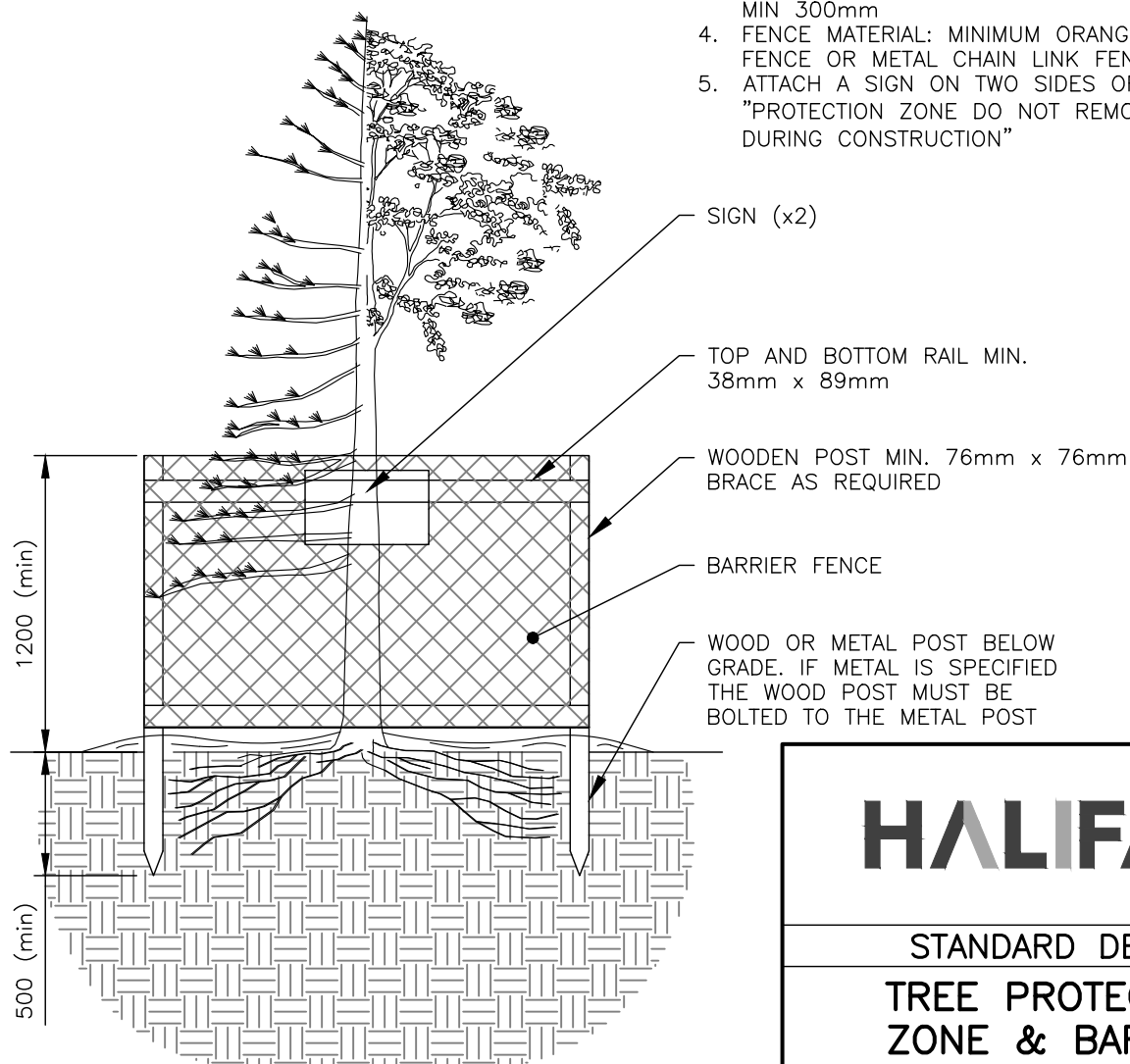
Cell: (902) 471-4349

Email: jim@j2kproperties.ca

Appendix M – HRM Tree Detail



PLAN



PROFILE

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"

HALIFAX

STANDARD DETAIL

**TREE PROTECTION
ZONE & BARRIER**

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

Appendix N – Rodent Control Plan

Protecta® EVO **AMBUSH**™

PATENT PENDING



THE MOST ADVANCED LOW-PROFILE BAIT STATION

PRODUCT FEATURES:

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



PRODUCT

Protecta Evo Ambush

CODE

EA2000

DIMENSIONS (in)

8 1/2 x 10 1/4 x 4 1/4

CASE QTY

6 Stations



More Than Meets The Eye

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

www.belllabs.com

ALL-WEATHER
BLOX™



CONTRAC®
ALL-WEATHER BLOX™

NET WT:
18 lbs (8.2 kg)

KILLS RATS, MICE & MEADOW VOLES*

Kills Warfarin Resistant Norway Rats

KEEP OUT OF REACH OF CHILDREN

CAUTION

See back panels for First Aid and additional precautionary statements.

ACTIVE INGREDIENT:

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

OTHER INGREDIENTS†: 99.995%

†Contains Denatonium Benzoate TOTAL 100.000%

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

FIRST AID

HAVE LABEL WITH YOU WHEN OBTAINING TREATMENT ADVICE

IF SWALLOWED:

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

IF ON SKIN OR CLOTHING:

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

IF IN EYES:

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

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

NOTE TO PHYSICIAN

If swallowed or absorbed through the skin, this material may reduce the clotting ability of the blood and cause bleeding. If ingested, administer Vitamin K₁ intramuscularly or orally. Repeat as necessary based on monitoring of prothrombin times.

TREATMENT FOR PET POISONING

If animal eats bait, call veterinarian at once.

NOTE TO VETERINARIAN

Anticoagulant Bromadiolone: For animals ingesting bait and/or showing poisoning signs (bleeding or elevated prothrombin times), give Vitamin 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.

DIRECTIONS FOR USE

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

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

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

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

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

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

CONTRAC®

ALL-WEATHER BLOX™

KILLS RATS, MICE, AND MEADOW VOLES*

Kills Warfarin Resistant Norway Rats

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

ACTIVE INGREDIENT:

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

OTHER INGREDIENTS: 99.995%

†Contains Denatonium Benzoate TOTAL 100.000%

KEEP OUT OF REACH OF CHILDREN CAUTION

See side panels for First Aid and additional precautionary statements.

STORAGE AND DISPOSAL

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

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

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

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

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

NET WEIGHT: 18 lbs (8.2 kg)

EPA REG. NO. 12455-79

EPA EST. NO. 12455-WI-1

Manufactured by:

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

DIRECTIONS FOR USE (Continued from other panel)

Burrow baiting with Contrac All-Weather Blox is prohibited.

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

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

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

APPLICATION DIRECTIONS:

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

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

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

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

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

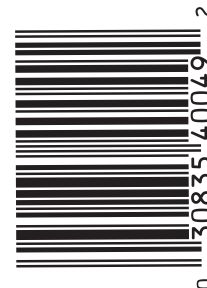
User Safety Requirements

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

ENVIRONMENTAL HAZARDS

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

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





DETEX[®] BLOX with LUMITRACK

SAFETY DATA SHEET

ACCORDING TO REGULATION: OSHA
Hazard Communication Standard 29 CFR 1910.1200

DATE OF ISSUE:
January 2016

PREPARED BY:
CAR

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: DETEX[®] BLOX with LUMITRACK

EPA Registration Number: NA

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Activity Monitoring - Ready to use

Uses advised against: Use only for the purpose described above

MANUFACTURER/SUPPLIER:

Bell Laboratories, Inc.

3699 Kinsman Blvd.

Madison, WI 53704, USA

Email: sds@belllabs.com

Phone: 608-241-0202

Medical or Vet Emergency: 877-854-2494 or 952-852-4636

Spill or Transportation Emergency: 800-424-9300 (CHEMTREC)

SECTION 2. HAZARDS IDENTIFICATION

Classification according to Regulation OSHA 1910.1200(d): Not classified

Signal Word: None

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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

SECTION 4. FIRST AID MEASURES

Description of first aid measures

Ingestion: Non-Toxic

Inhalation: Not applicable.

Eye contact: Non-Toxic

Skin contact: Non-Toxic

Most important symptoms and effects, both acute and delayed

Non-Toxic

Advice to physician: Non-Toxic

Advice to Veterinarian: Non-Toxic

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media: water, foam or inert gas.

Unsuitable Extinguishing Media: None known.

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

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

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: None. Non-Toxic

Environmental precautions: None. Non-Toxic

Methods and materials for containment and cleaning up

For Containment: None. Non-Toxic

For Cleaning Up: None. Non-Toxic

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

SECTION 7. HANDLING AND STORAGE

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

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

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Established Limits

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

Appropriate Engineering Controls: None. Non-Toxic

Occupational exposure limits: None. Non-Toxic

Personal Protective Equipment:

Respiratory protection: Not required

Eye protection: Not required

Skin protection: None. Non-Toxic

Hygiene recommendations: None. Non-Toxic

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

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

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not Applicable

Chemical stability: Not Applicable

Possibility of hazardous reactions: Refer to Hazardous decomposition products

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

Incompatible materials: Not Applicable

Hazardous decomposition products: Not Applicable

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity

LD50, oral (ingestion): Not Toxic

LD50, dermal (skin contact): Not Toxic

LC50, inhalation: Not Toxic

Skin corrosion/irritation: Not Toxic

Serious eye damage/Irritation: Not Toxic.

Respiratory or skin sensitization: Not Toxic

Germ cell mutagenicity: Not Toxic

Carcinogenicity: Not Toxic

Components	NTP	IARC	OSHA
None	NA	NA	NA

Reproductive Toxicity: Not Toxic

Aspiration Hazard: Not Toxic

Target Organ Effects: Not Toxic

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity Effects: Not Toxic

Persistence and degradability: Not Toxic

Bioaccumulative potential: Not Toxic

Mobility in Soil: Not Toxic.

Other adverse effects: None.

SECTION 13. DISPOSAL CONSIDERATIONS

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

SECTION 14. TRANSPORT INFORMATION

UN number: Not regulated

UN proper shipping name: Not regulated

Transport hazard class(es): Not regulated

Packing group : Not regulated

Environmental Hazards

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

DOT Maritime: Not considered hazardous for transportation by vessel.

DOT Air: Not considered hazardous for transportation by air.

Freight Classification: LTL Class 60

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

Special precautions for user: None

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: Not applicable

Signal Word: None

Precautionary Statements: None

Potential Health Effects:

Eye Contact: May cause irritation

Skin Contact: Non-irritating to the skin

Ingestion: Not harmful if swallowed

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

CERCLA/SARA 313: Not Toxic

CERCLA/SARA 302: Not Toxic

SECTION 16. OTHER INFORMATION

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

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

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

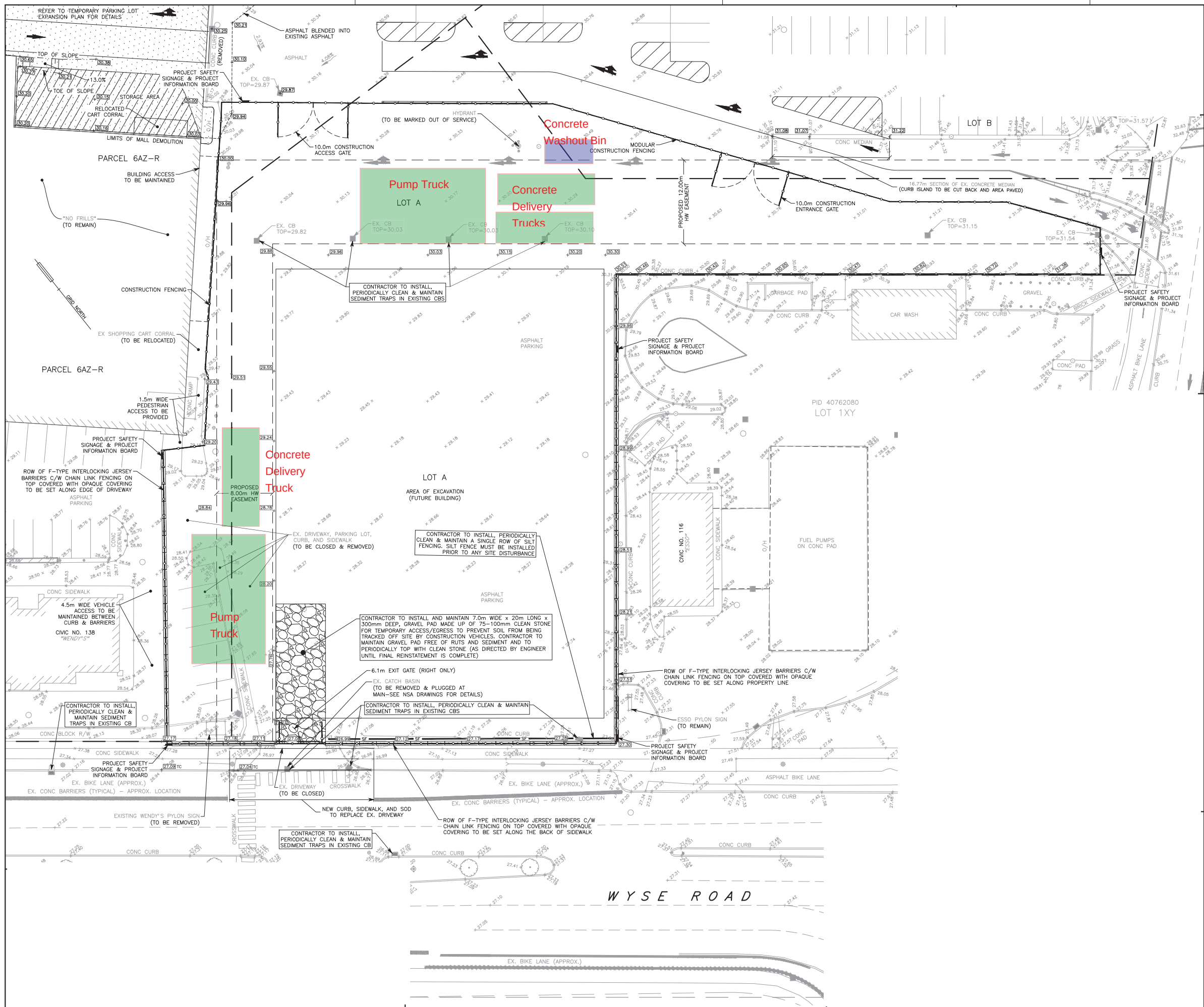
Appendix O – CMP's TCP & PMP Inspection Records

Project: _____ Location: _____ Phase: _____ Date: _____ Inspector: _____

CONSTRUCTION MANAGEMENT PLAN - INSPECTION CHECKLIST

[illegible]

Appendix P – Concrete Delivery Schematic



LEGEND		
EXISTING		PROPOSED
25.0	CONTOUR LINE	25.0
0/0 BF	CURB STOP/GATE/BUTTERFLY VALVE	0/0 BF
	FIRE HYDRANT	
	CONCRETE THRUST BLOCK	
	SIAMSE CONNECTION	
	CATCH BASIN/PIT	
	CULVERT	
	ROCK LINING/DAM	
	ROCK WALL/RETAINING WALL	
	POWER POLE & ANCHOR/LIGHT STANDARD	
	TREE	
	STREET SIGN/PARKING METER	
131.82	ELEVATION/GRADE	(125.00) x / + 125.00
	TEST PIT	
	DRAINAGE/SWALE FLOW DIRECTION	
	WATER MAIN/SERVICE	
SAN	SANITARY MANHOLE & PIPE	SAN
STM	STORM MANHOLE & PIPE	STM
SAW/STM	COMBINED SEWER	SAW/STM
FM	FORCE MAIN	FM
GAS	GAS LINE	GAS
FL	100YR. FLOOD LIMIT	FL
	GUARD RAIL	
	UNDERGROUND COMMUNICATIONS	
	UNDERGROUND POWER	
	OVERHEAD WIRES	
	PROPERTY LINE/BOUNDARY	
	FENCE	
	BUILDING	
	TOP OF SLOPE	
	TOE OF SLOPE	
	TREELINE	

NOTES
1. THIS PLAN IS METRIC

No.	YY/MM/DD	Revision	Description	Appr'd
2	25/02/28		GENERAL REVISIONS	
1	25/01/29		ISSUED FOR PERMIT	
0	24/11/25		ISSUED FOR REVIEW	

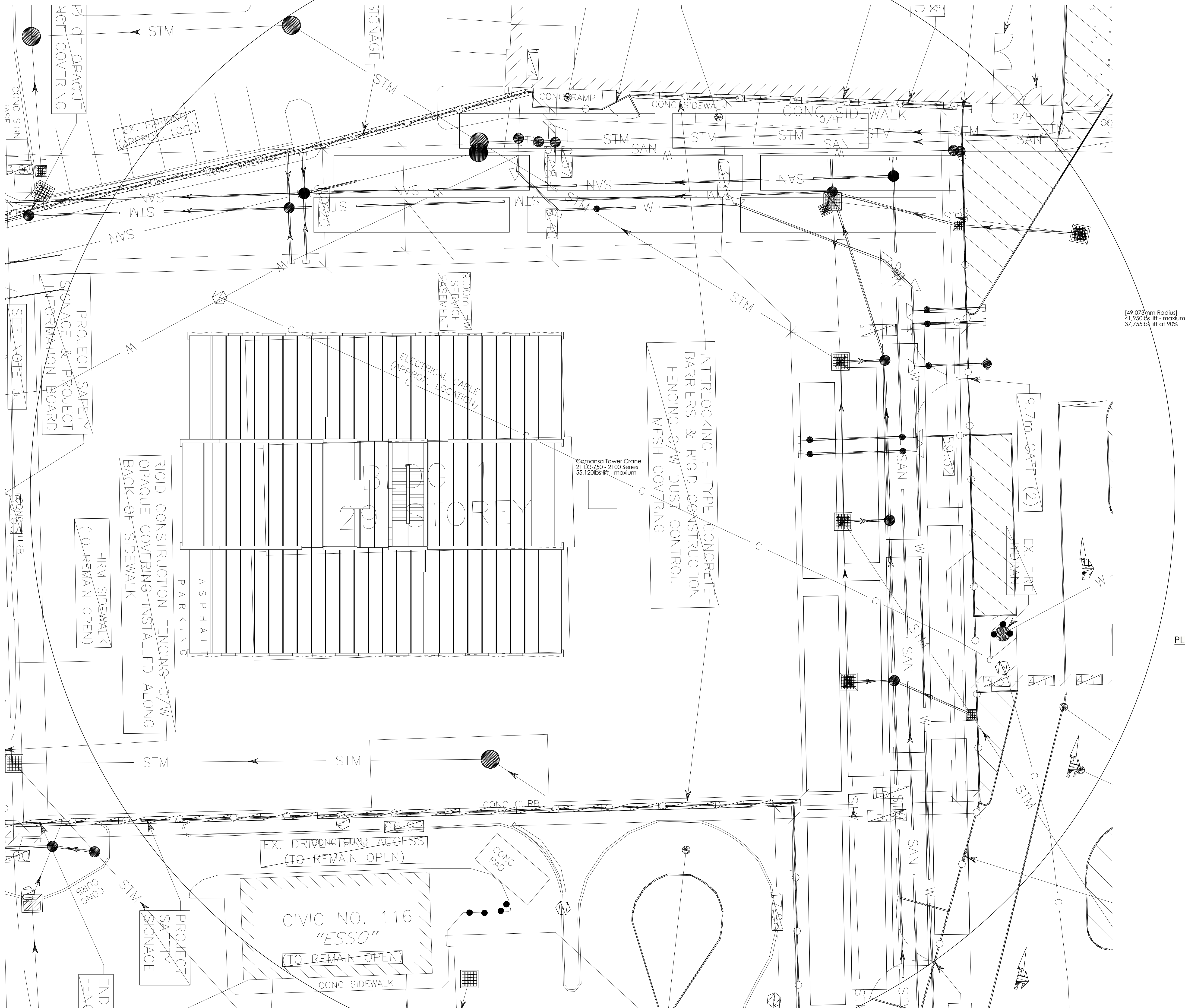
DARTMOUTH SHOPPING CENTRE REDEVELOPMENT
LOT A WYSE ROAD
DARTMOUTH, NOVA SCOTIA

Concrete Delivery Schematic

Date NOVEMBER 25, 2024	Drawn C. PORTER	Project No. FILE NO. 1-6-53 (37313)
Scale 1:250	Engineer G. MACLEAN	Plan No.
Reference ---	Approved G. MACLEAN	Drawing Name
Surveyed SDMM	Sheet	C-SS-4

0m 5 10 15 20 25m

Appendix Q – Crane Information



PLAN AT EL. L4
1:150

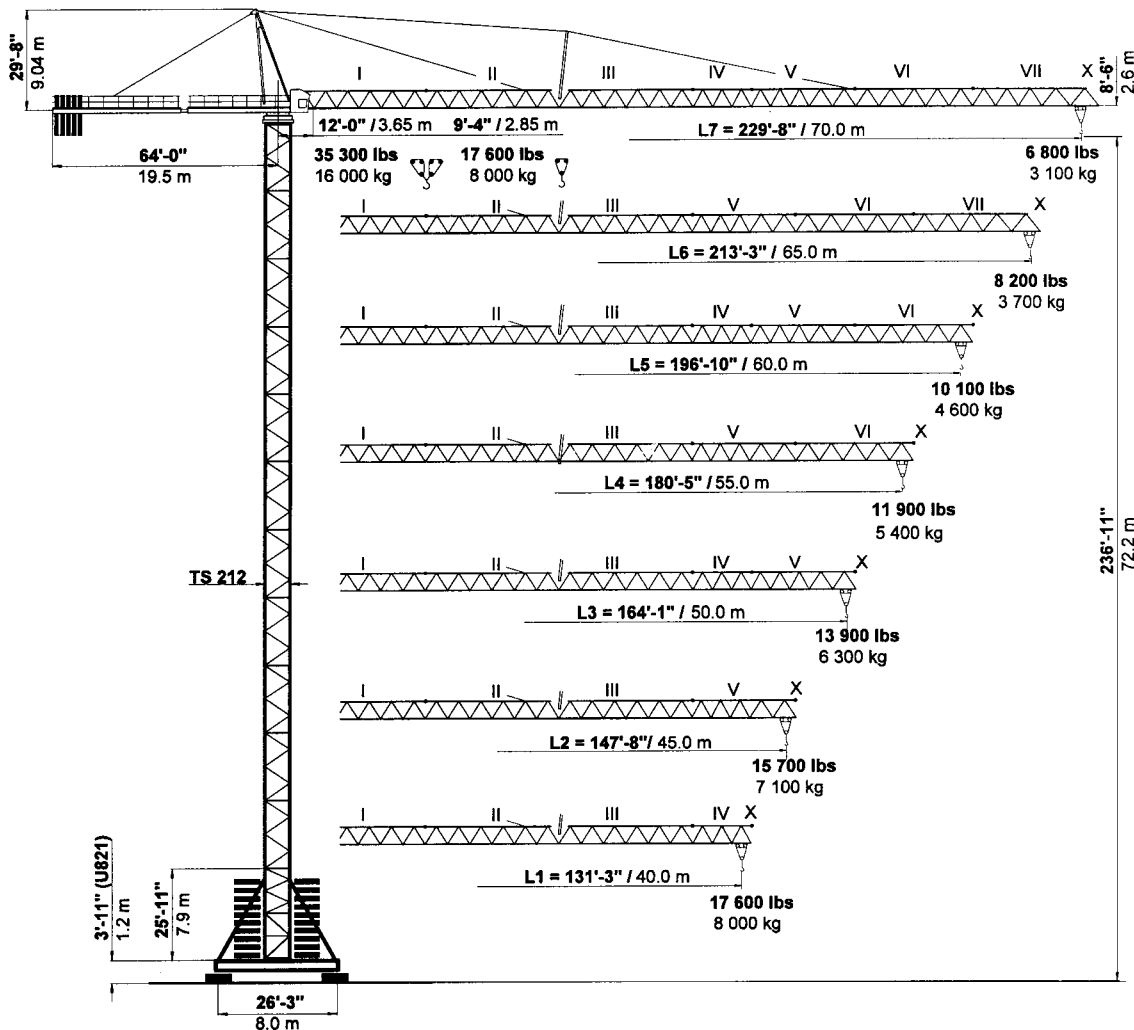
NO	REVISION	DATE	BY	CHKD
		ENGINEER'S STAMP:		
CUSTOMER:				
J2K PROPERTIES FRIESIAN COURT BEDFORD, NOVA SCOTIA				
ARCHITECT:		CONSULTING ENGINEER:		
ZZAP ARCHITECTS 1 CANAL STREET DARTMOUTH, NOVA SCOTIA		CAMPBELL COMEAU ENGINEERING 2719 GLADSTONE STREET HALIFAX, NOVA SCOTIA		
PROJECT:				
DARTMOUTH SHOPPING CENTER REDEVELOPMENT - BUILDING 1 - PROPOSAL 3c WYSE ROAD, DARTMOUTH, NOVA SCOTIA				
TITLE:				
Site Plan				
STRESCON LIMITED SAINT JOHN, NEW BRUNSWICK Modelled in Tekla Structures 3D BEFORD, NOVA SCOTIA				
PROJ. MGR:	DESIGN ENG:	PRJ. LEADER:	DRAWN BY:	CHECKER:
???	???	???		
MODEL:	CONTRACT NO:		DWG. NO:	REV:
Wyse Road Development - Proj**	PRODUCTION: Cont*** ERECTION:		PC-002	



PEINER SK 315

Hammerhead Tower Crane
17,600-35,300 lbs. (8-16 mt)
Lifting Capacity

SPECIFICATIONS



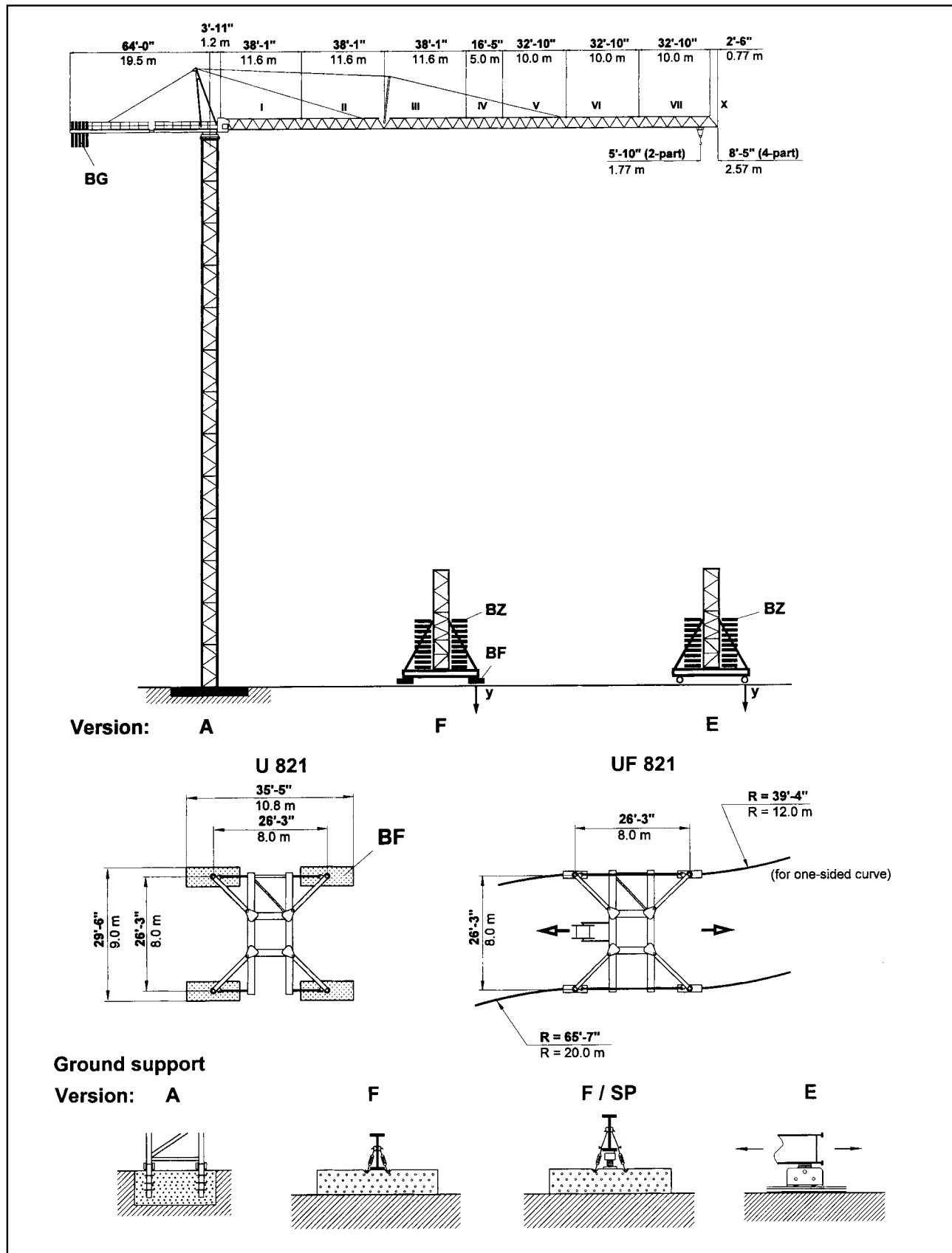
simple, available and
 cost effective™

Machines shown may have optional equipment.

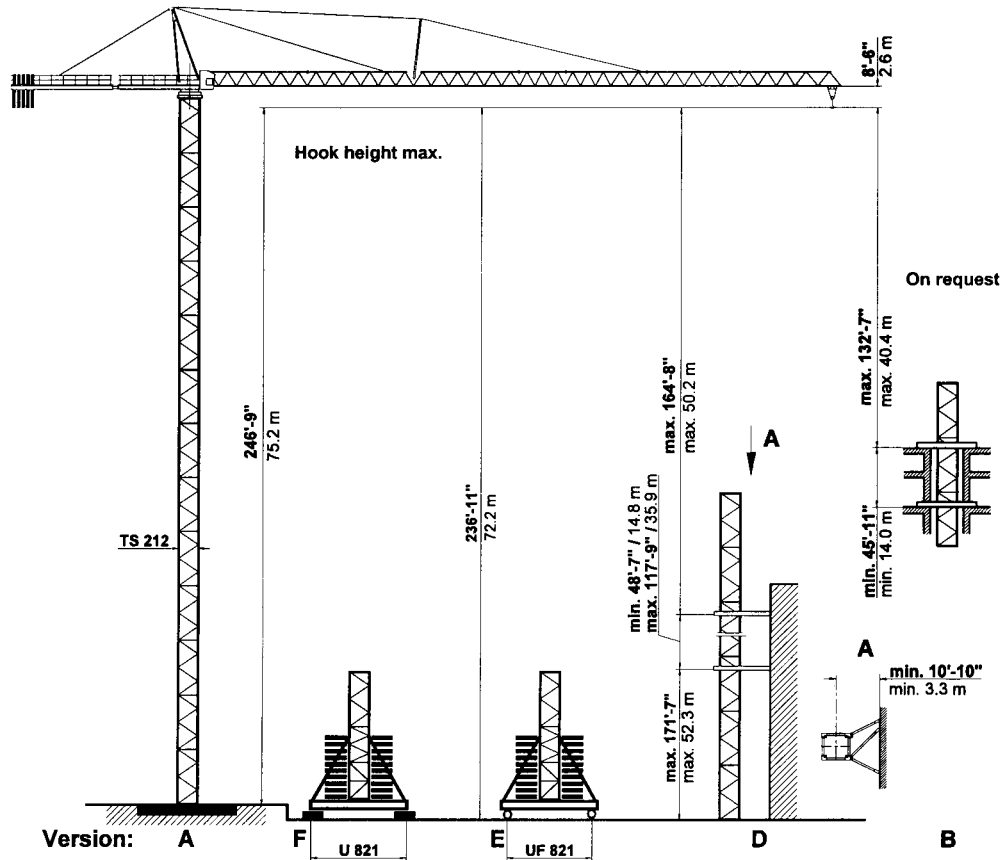


PEINER SK 315

Combinations of tower section, hook heights, forces acting per corner, base ballast



PEINER SK 315 Tower TS 211



Version:	A	F	E	D	B
TS 212	Version A			Version F	Version E
Tower	HH	Tower	HH	BZ + BF	BZ
TS 212.1	ft m	TSV 212 TS 212.1	ft m	in service kips / t	in service kips / t
				out of service kips / kN	out of service kips / kN
13 x TS 212.1	246'-9\"				
12 x TS 212.1	227'-4\"	1 x TSV 212	236'-11\"	212.0	198.0
11 x TS 212.1	208'-0\"	11 x TS 212.1	72.2\"	96	90
10 x TS 212.1	188'-8\"	1 x TSV 212	217'-6\"	168.0	154.0
9 x TS 212.1	169'-4\"	10 x TS 212.1	66.3\"	76	70
8 x TS 212.1	149'-11\"	1 x TSV 212	198'-2\"	146.0	132.0
7 x TS 212.1	130'-7\"	9 x TS 212.1	60.4	66	60
6 x TS 212.1	111'-3\"	1 x TSV 212	178'-10\"	124.0	88.0
5 x TS 212.1	91'-10\"	8 x TS 212.1	54.5	56	40
4 x TS 212.1	72'-6\"	1 x TSV 212	159'-5\"	101.0	88.0
3 x TS 212.1	53'-2\"	7 x TS 212.1	48.6	46	40
2 x TS 212.1	33'-9\"	1 x TSV 212	140'-1\"	101.0	66.0
		6 x TS 212.1	42.7	46	30
		5 x TS 212.1	36.8	101.0	66.0
		4 x TS 212.1	30.9	46	30
		3 x TS 212.1	25.0	101.0	66.0
		2 x TS 212.1	19.1	46	30
		1 x TS 212.1	13.2	101.0	66.0
				46	30
Foundation		Stationary base		Travelling base	
25'-7\"		U 821		UF 821	
Anchor stools		BF		Bogie	
4 x FF 212		4 x 8.82 kips		Curve	
		4 x 4.0 t		F 500	

If TSK 212 section is used the hook height is increased by 6'-7\"

* Lower climbing section after erection.

TS 212.1 = 19'-4 1/4\"

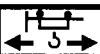
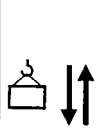
TSV 212 = 25'-11\"

TSK 212 = 6'-7\"

PEINER SK 315 Radius and Capacity

Jib	ft m	Max. capacity max. 17,600 lbs 8.0 t	Radius – ft./m Capacity – lbs./mt																	
			2-Part Line  max. 17,600 lbs max. 8.0 t																	
			75'-6" 23	82'-0" 25	98'-5" 30	114'-10" 35	131'-3" 40	141'-1" 43	147'-8" 45	157'-6" 48	164'-1" 50	173'-11" 53	180'-5" 55	190'-3" 58	196'-10" 60	206'-8" 63	213'-3" 65	223'-1" 68	229'-8" 70	
L7	229'-8" 70.0	9'-4" - 96'-9" 2.85 - 29.5 m	17600	17600	17400	14800	12800	11900	11200	10600	10100	9500	9000	8600	8200	7700	7500	7100	6800	
L6	213'-3" 65.0	9'-4" - 105'-0" 2.85 - 32.0 m	17600	17600	17600	16100	13900	13000	12300	11500	11000	10400	9900	9300	8800	8600	8200			
L5	196'-10" 60.0	9'-4" - 117'-9" 2.85 - 35.9 m	17600	17600	17600	17600	15700	14600	13900	13000	12300	11700	11200	10600	10100					
L4	180'-5" 55.0	9'-4" - 124'-8" 2.85 - 38.0 m	17600	17600	17600	17600	16800	15400	14800	13900	13200	12300	11900							
L3	164'-1" 50.0	9'-4" - 130'-11" 2.85 - 39.9 m	17600	17600	17600	17600	17600	16300	15400	14600	13900									
L2	147'-8" 45.0	9'-4" - 131'-11" 2.85 - 40.2 m	17600	17600	17600	17600	17600	16500	15700											
L1	131'-3" 40.0	9'-4" - 131'-3" 2.85 - 40.0 m	17600	17600	17600	17600	17600													
	ft m	35,300 lbs 16.0 t	4-Part Line  max. 35,300 lbs max. 16.0 t														Radius - 2'-7" (- 0.8 m)			
L7	227'-0" 69.2	12'-0" - 48'-7" 3.65 - 14.8 m	21800	19600	16100	13200	11200	10400	9700	9000	8600	7900	7500	7100	6600	6200	6000	5500	5300	
L6	210'-8" 64.2	12'-0" - 52'-2" 3.65 - 15.9 m	23800	21600	17400	14600	12600	11500	10800	9900	9500	8800	8400	7700	7500	6800	6600			
L5	194'-3" 59.2	12'-0" - 57'-9" 3.65 - 17.6 m	26900	24500	19800	16800	14300	13000	12300	11500	10800	10100	9700	9000	8600					
L4	177'-10" 54.2	12'-0" - 61'-0" 3.65 - 18.6 m	28700	26000	21200	17900	15200	14100	13200	12300	11700	10800	10400							
L3	161'-5" 49.2	12'-0" - 63'-8" 3.65 - 19.4 m	30200	27300	22300	18700	16100	14800	14100	12800	12300									
L2	145'-0" 44.2	12'-0" - 64'-0" 3.65 - 19.5 m	30400	27600	22500	19000	16300	15000	14100											
L1	128'-7" 39.2	12'-0" - 66'-3" 3.65 - 20.2 m	31700	28700	23600	19800	17000													

Speeds

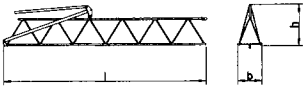
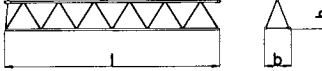
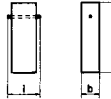
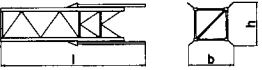
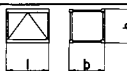
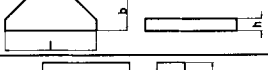
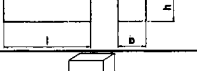
FU 8-160/4		$v = 0 \longrightarrow \sim 290 \text{ fpm (88 m / min.)}$	10.2 HP 7.5 kW					
SR 10-190/3		$v = 0 \longrightarrow \sim 96 \text{ fpm (30 m / min.)}$	2 x 16.3 HP 2 x 12.0 kW					
K WB 120/4		$v = 0 \longrightarrow 0.9 \text{ rpm (min}^{-1}\text{)}$	2 x 11.4 HP 2 x 8.4 kW					
 HK max. = 705' (215 m) 6 - layers				480 V / 60 Hz / 3 ph				
Type SR WB 66- 80/4F [108 HP] [79 kW]			2-Part Line					Total motor output ~140 HP without SR 10-190/3 ~105 kW Connected power 170 kVA
								
								
								

Counterweight

Jib		L 1	L 2	L 3	L 4	L 5	L 6	L 7
Counterweight	BG	30 000 lbs 13 600 kg	32 200 lbs 14 600 kg	36 600 lbs 16 600 kg	39 150 lbs 17 750 kg	43 550 lbs 19 750 kg	41 350 lbs 18 750 kg	45 750 lbs 20 750 kg
	[lbs]	3 x 6 950 1 x 9 150	2 x 6 950 2 x 9 150	4 x 9 150	3 x 6 950 2 x 9 150	1 x 6 950 4 x 9 150	2 x 6 950 3 x 9 150	5 x 9 150
	[t]	3 x 3.15 1 x 4.15	2 x 3.15 2 x 4.15	4 x 4.15	3 x 3.15 2 x 4.15	1 x 3.15 4 x 4.15	2 x 3.15 3 x 4.15	5 x 4.15

PEINER SK 315 Dimensions and transport weights

See operating manual for mounting weights

	Designation			Dimensions (ft / m)			Weight	Volume
				l	b	h	lbs / t	ft³ / m³
1	Jib Section III			39.01 11.94	4.99 1.52	7.09 2.16	4 200 1.92	1 386 39.2
2	Jib Section I			39.01 11.89	4.99 1.52	5.84 1.78	3 790 1.72	1 137 32.2
	Section II			38.65 11.78	4.99 1.52	6.17 1.88	4 320 1.96	1 190 33.7
	Section IV			19.19 5.85	4.99 1.52	5.41 1.65	1 760 0.80	519 14.7
	Section V			35.34 10.77	4.99 1.52	5.45 1.66	3 090 1.40	961 27.2
	Section VI			36.03 10.98	4.99 1.52	5.48 1.67	2 470 1.12	985 27.9
	Section VII			33.33 10.16	4.99 1.52	5.32 1.62	1 570 0.71	853 25.0
	Jib tip X			3.12 0.95	5.02 1.53	1.64 0.50	310 0.14	25 0.7
3	Turntable with slewing ring support and cabin			36.35 11.08	7.64 2.33	7.81 2.38	25 350 11.50	2 169 61.4
	Turntable with slewing ring support			31.99 9.75	7.64 2.33	7.81 2.38	24 030 10.90	1 911 54.1
	Cabin with support and railing			10.17 3.10	4.92 1.50	7.25 2.21	1 320 0.60	364 10.3
4	Counter jib with hoist winch			38.13 11.62	5.91 1.80	6.00 1.83	14 550 6.60	1 353 38.3
	Hoist winch	66 WB		7.51 2.29	5.45 1.66	3.28 1.00	5 400 2.45	134 8.4
5	Counterweight	BG		3.94 1.20 3.94 1.20	1.64 0.50 1.64 0.50	9.32 2.84 12.11 3.69	6 950 3.15 9 150 4.15	60 1.4 78 1.7
6	Tower section	TS 212.1		19.52 5.95	7.78 2.37	8.01 2.45	9 130 4.14	1 216 34.4
		TSV 212 with struts		31.17 9.50	9.84 3.00	10.00 3.05	20 330 9.22	3 067 86.9
		TSK 212		6.63 2.02	7.87 2.40	9.84 3.00	6 170 2.80	513 14.5
7	Travelling base, folded	UF 821		41.01 12.5	9.74 2.97	7.05 2.15	35 050 15.90	2 816 79.8
8	Stationary base, folded	U 821		34.55 10.53	9.06 2.76	2.79 0.85	17 130 7.77	873 24.7
9	Central ballast block	BZ		11.48 3.50	4.92 1.50	2.20 0.67	11 020 5.00	124 3.5
10	Foundation pad	BF		9.19 2.80	3.28 1.00	1.87 0.57	8 820 4.00	57 1.6
11	Accessories						4 800 2.17	

For more information, product demonstration, or details on lease and rental plans, please contact your local Terex Towers Distributor.

We reserve the right to amend these specifications at any time without notice. The only warranty applicable is our standard written warranty applicable to the particular product and sale. We make no other warranty, expressed or implied.

Bigge Crane and Rigging Co.

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