Ochterloney & Edward Apartments

10 Edward Street

Excavation & Construction

Prepared by Geoff MacLean, P.Eng.

Job No. 38408

CONSTRUCTION MANAGEMENT PLAN

3	JUL 2025	REVISED BUILDING
2	FEB 2025	REVISED AS PER CLIENT COMMENTS
1	SEP 2024	REVISED AS PER HRM COMMENTS
0	APR 2024	ISSUED FOR PERMIT
REVISION #	DATE	DESCRIPTION





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Revisions Summary

Revision 1 – Sections; 1.1, 2.1, 2.2, 2.3, 4.1, 4.2, 4.5, 5, 6, 7.3, 7.6, 8.1, 8.2 & 9.1, Appendies A, B, C, D, G, P, Q & R

Revision 2 – Sections; 1.1, 1.2, 2.1 & 2.2 Appendies A, G, J, L, P, Q & R

Revision 3 – Sections; 1.1, 2.1, 2.2, 3.2, 4.1, 4.6, 6, 9.1 & 11.1 Appendies B, D, G & Q

Page | b Job No. 38408



Table of Contents

Section 1: Introduction	1
1.1: Project Description and Objectives	1
1.2: Project Contact Information	2
Section 2: Project Schedule and Logistics	2
2.1: Schedule	2
2.2: Key Dates	2
2.3: Hours of Work	3
Section 3 – Relevant Regulations & Guidelines	3
3.1: Occupational Health & Safety Regulations	3
3.2: Municipal Regulations & Guidelines	3
Section 4: Vehicle Management	4
4.1: Vehicular Traffic Control	4
4.2: Haul Route and Staging Areas	4
4.3: Vehicular Traffic Notifications	4
4.4: Emergency Vehicles	4
4.5: Parking	4
4.6: Bus Stops	4
4.7: Hazard Assessment	5
Section 5: Pedestrian Management	5
5.1: Pedestrian Protection	5
5.2: Pedestrian Safety	5
5.3: Pedestrian Traffic Notifications	5
5.4: Visually Impaired Persons	5
5.5: Accessibility	5
5.6: Hazard Assessment	
5.7: Pedestrian Management Plans Rendering (PMPR) Signage	6
5.8: Pedestrian Detour Wayfinding Signage	6
Section 6: Encroachments & Disruptions	
6.1: Demolition	
6.2: Site Excavation	6



6.3: Site Services Connection	6
6.4: Construction Management Plan Element Inspection and Maintenance	7
6.5: Changes to the Construction Management Plan	7
Section 7: Environmental Factors	7
7.1: Damage to HRM Infrastructure	7
7.2: Protection of Trees	7
7.3: Line Painting and Temporary Crosswalks	8
7.4: Street and Right-of-Way Cleaning	8
7.5: Protection from Inclement Weather	8
7.6: Storm Water Management	8
7.7: Noise, Dust and Emission Control	8
7.8: Rodent Control	8
Section 8: Site Protection & Hoarding	9
8.1: Barriers & Fences	9
8.2: Snow removal	10
8.3: Gate Access and Egress	10
8.4: Hoarding Aesthetics	10
8.5: Sight Lines	10
8.6: Project Information and Contacts	10
Section 9: Lifting, Hoisting, and Crane Operations	10
9.1: Crane Use Overview	10
9.2: Transport Canada and Nav Canada Regulations	11
9.3: Aerodromes	11
Section 10: On-Site Safety and Security	11
10.1: Site Safety and Security Overview	11
10.2: Material Handling: Loading, Unloading, Delivery and Storage	11
10.3: Emergency Access & Egress	12
10.4: Security Site Lighting	12
10.5: Smoking Areas	12
10.6: Fire Suppression Systems	12
Section 11: Pre-Construction Consultation & Meeting	12
11.1: Pre-CMP Community Consultation	12



11.2: Project Information and Contacts	12
11.3: Preconstruction Meeting	12
11.4: Construction Notification	13
Section 12: Summary	13
Appendix A – Encroachment Plan	A
Appendix B – Traffic Control Plans TCP	В
Appendix C – Haul Route Plan	C
Appendix D – Pedestrian Management Plan (PMP)	D
Appendix E – Barriers, Waste Blocks, Fence & Gates Information	E
Appendix F – Hoarding Information	F
Appendix G – Project Information Board	G
Appendix H – Project Safety Signage	H
Appendix I – Project Signage Specifications	
Appendix J – Sample Traffic Notification Letter	J
Appendix K – Vehicular and Pedestrian Hazard Assessment	к
Appendix L – Community Consultation Records	L
Appendix M – HRM Tree Detail	M
Appendix N – Rodent Control Plan	N
Appendix O – CMP's TCP & PMP Inspection Records	O
Appendix P – Concrete Delivery Schematic	P
Appendix Q – Crane Information	Q
Appendix R – Line Painting Schematic	R



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 an apartment building on their land located on the corner of Ochterloney Street and Edward Street in Dartmouth, Nova Scotia. In preparation for this development the existing building at civic 28 Ochterloney Street was demolished and the existing lots were consolidated. The planned development will include 226 residential units and main floor commercial space within a 31-storey building with underground parking accessed from Edward Street. This CMP has been prepared to address excavation, services and building construction.

Where the development is planned to have 2 level of underground parking, with deep excavations fronting the HRM Right of Way (ROW) that vary in depth (Ochterloney Street +/- 7.3m-8.4m and Edward Street +/- 7.3m-8.3m) we anticipate excavation limits will fall within adjacent Ochterloney sidewalk and the Edwards Street travel lane. The building foundation is set at the ROW on both streets. To safely distance the public from excavation limits and construction activities, sidewalk access adjacent to the project will be closed to the public along Ochterloney Street and across Edward Street, while incorporating a portion of the Ochterloney street lane for a protected on-street sidewalk route and closing a section of the existing one-way Edward Street between Ochterloney and Queen Street to provided additional room for workers and deliveries. This encroachment will redirect pedestrians to the protected on-street sidewalk route directly in front of the encroachment on Ochterloney Street, relocate the parking pay station directly in front of the project site, close metered on-street parking adjacent to the on street sidewalk route, alter the street centerline reducing the street width of Ochterloney while maintaining two-way traffic with one 3.50m and one 5.05m wide travel lanes, close a section of the existing one-way street on Edward while maintaining access to the neighbour's parking lot via temporary marked two-way travel lane and maintain two-way vehicle traffic along Ochterloney Street throughout construction.

Only during service work and driveway installation do we anticipate short term temporary lane drops. It is anticipated that the crane assembly and disassembly will require a temporary street closure on Ochterloney Street.

The project borders residential commercial properties that house Doraku Authentic Japanese and District 5 Bar & Grill along its eastern property line, a commercial parking lot along its southern property line, and across Edward and Ochterloney Street are commercial properties; that house the Queens Square to the west and the Quaker Landing building north of the project site. Neighbouring properties will remain undisturbed throughout the demolition phase of this project and all neighbours will be notified and updated on construction ahead of time.

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

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

Page | 1 Job No. 38408



1.2: Project Contact Information

The project team for the proposed development consists of:

Role	Name	Contact	Address	Phone
Owner/Developer	Ariana Development Ltd.	Ramin Farzaneh	72 Gary Martin Drive, Unit 101,	(902) 449-5374
			Halifax, NS, B4B 0P7	
Project Manager	Tremmier Construction	Kourosh	290 Starboard Drive, Halifax,	(902) 441-2005
	Management	Jahanbiglary	NS, B3M 4W7	Hour Emergency
				Contact
Site Contractor	Atlantic Road Construction and	Greg MacDonald	6 Belmont Avenue, P.O. Box 89	(902) 830-6411
	Paving		Eastern Passage, NS B3G 1M7	
Traffic Control	Frontline Traffic Services	Tyler Hayman	6 Belmont Avenue, P.O. Box 89	(902) 818-5548
Company			Eastern Passage, NS B3G 1M7	
Rodent Control	Rentokil Pest Control		51 Duke Street,	(902) 835-2304
Company			Bedford, NS B4A2Z2	

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	-		-	completed
Demolition	<u>-</u>		<u>-</u>	completed
Site Excavation	-		-	completed
Substructure/Foundations	Jul 15, 2025	-	Jan 15, 2025	6 Months
Superstructure	Nov 15, 2025	-	Aug 15, 2028	33 Months
Service Abandonments	Nov 15, 2025	-	Nov 31, 2025	2 weekends
Service installs	Nov 15, 2025	-	Nov 31, 2025	2 weekends
HRM Right of Way Flat Works	May 1, 2028	-	May 30, 2028	1 month
Site Flat Works	Jun 1, 2028	-	Jun 31, 2028	1 month

2.2: Key Dates

• Install encroachment October 15, 2024

Sidewalk closure (Ochterloney & Edward Street)

Street lane encroachment (Ochterloney Street)

o Partial Street closure (Edwards Street)

Finish encroachment
 Duration of encroachment
 June 15, 2028
 46 months

Temporary travel lane / road closures

Ochterloney Street service abandonments
 Edward Street service abandonments
 Ochterloney Street water service install
 Ochterloney Street sewer service install
 November

Tower Crane assembly (Ochterloney Street - closure)
 Tower Crane disassembly (Ochterloney Street - closure)
 To be determined

The encroachment areas are shown in the appendix for reference.

Page | 2 Job No. 38408



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 pm.
 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;
- 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;
- 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.

We are proposing an encroachment that will close a section of the existing one-way Edward Street between Ochterloney and Queen streets, while maintaining access to the neighboring parking lot and an altered street centerline along Ochterloney Street in front of the Project site, to accommodate a temporary on street sidewalk route along Ochterloney Street, while maintaining two-way vehicle traffic on Ochterloney Street with one 3.50m and one 5.05m wide travel lanes to accommodate local traffic. Throughout all phases of construction two-way vehicular traffic will be maintained along both streets. Only during building service work and driveway installation do we anticipate short term temporary lane closures being required. It is anticipated that the crane assembly and disassembly will require a temporary street closure on Ochterloney Street between Edward and King Street. 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 by the traffic control company and is provided in the appendix.

The selected route is intended to minimize traffic congestion and maximize pedestrian safety. During all construction phases vehicles will enter and exit the site at the gate location(s) which will be clearly marked. All concrete and material deliveries shall be contained within private property and the encroachment. We anticipate these deliveries entering the northwest gate and exiting the southwest gate on Edward with traffic flow.

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

Metered on street public parking adjacent to the project will be closed to accommodate a on-street sidewalk during construction. On street parking will 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 Ochterloney Street. Pending HRM approval, we are proposing to reroute bus service between Edwards Street and King Street for crane installation that will require a short-term street closure. Bus service will be temporarily affected by this project.

Page | 4 Job No. 38408



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 all phases of construction, the project will temporarily relocate pedestrian traffic to a protected 1.5m wide pedestrian route or on street sidewalk in front of the project site along Ochterloney Street and close the sidewalk across Edward Street. This is to ensure construction and deliveries are kept a safe distance from pedestrians. Pedestrian traffic will be maintained with use of existing marked crosswalks, one (1) on the northeast corner of Edward Street, one (1) on the northwest corner of King Street and one (1) on the southeast corner of Alderney Drive to providing access to the opposite side of the street.

5.1: Pedestrian Protection

Pedestrians will be protected by physically distancing them from the project a combination of chain link fencing and F-type concrete barriers with chain link fencing mounted above will delineate the encroachment. All fencing will be covered with opaque covering and will extend a minimum 3m from the public right-of-way, 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.

Page | 5 Job No. 38408



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 building construction, the project will close a section of Edward Street between Ochterloney and Queen Street, incorporate the public sidewalk in front of the project on Ochterloney and across Edward Street and a portion of the street lane on Ochterloney. This will temporarily close of Ochterloney street between Edward and King for crane installation, move pedestrians to the temporary 1.5m protected on-street sidewalk route in front of the project on Ochterloney Street, to the opposite side of the street with use of the existing crosswalks, and temporarily close on street parking on Ochterloney Street adjacent to the on-street sidewalk route towards King Street. These encroachments are to keep the public away from the excavation zone of influence as well as provide dedicated space for site workers and deliveries within the encroachment area. To keep the public away from potential hazards a row of interlocking F-type concrete barriers complete with chain link fencing with opaque coverings and interlocking F-type concrete barriers on the street side of the protected on-street sidewalk route.

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

The existing building on this site was previously demolished.

6.2: Site Excavation

This includes deep excavation, shoring installation and removal of common site material. The development is planned to have 2 levels below street grade fronting both streets. 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-

Page | 6 Job No. 38408



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 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, asphalt curb, 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 fronting the project site. It is noted that HRM street trees shall not be touched prior to approval and/or compensation agreements between the developer and HRM Urban Forestry are in place. Adjacent street trees are to be protected during construction in accordance with the HRM Tree Bylaw (T-600). Refer to HRM tree protection detail in the appendix.

Page | 7 Job No. 38408



7.3: Line Painting and Temporary Crosswalks

An altered centerline is proposed on Ochterloney Street for this project. Refer to the line painting schematic.

7.4: Street and Right-of-Way Cleaning

The portion of public street adjacent to the project will be cleaned daily of any debris from trucks and silt, dirt, or rock that migrates beyond the encroachments. A sweeper truck will be utilized as required. Rock pads will be installed and maintained at all 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 wastewater sewer system. Dewatering to municipal systems require a permit from Halifax Water via p2@halifaxwater.ca and must be 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 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 excavation and building construction. The RCP applies to all project phases with the goal of preventing movement of

Page | 8 Job No. 38408



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 excavation 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 chain link fencing and interlocking F-type concrete jersey barriers complete with chain link with a total height (concrete barrier and fencing structure) being 1.8m or 6ft as per the noted administrative order and interlocking F-type concrete jersey barriers demarking the on-street sidewalk. 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. Throughout the project, fencing will be situated to not obstruct vehicle sight lines.

Along the private sidelines where vehicular traffic and non-vehicular traffic is present, the hoarding will be delineated by a combination of concrete waste blocks with rigid fencing mounted behind being 1.8m or 6ft as per the noted administrative order and weighted modular 1.8m (6ft) high fencing or existing fencing where it is at least 1.8m tall. 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 that define the encroachment 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, concrete waste blocks, 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.

Page | 9 Job No. 38408



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 to keep the edge of the vehicle travel lane clear of snow and ice build up on both streets, gates and fencing, barriers along both streets and along street side curb of the on-street pedestrian route.

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 at each end of the Ochterloney truck layby, one at the south end the close street section, and one at the proposed driveway along Edward 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 the crane assembly and disassembly will require a temporary street closure on Ochterloney Street between Edward and King Street.

Page | 10 Job No. 38408



The crane swing will extend over neighbouring properties as shown in the Crane Swing Diagrams included in the appendix. The developer 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, delivery & concrete trucks will be stationed within the Edward Street encroachment area, on private property during concrete operations. (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.

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 relative to these various approaches we understand Transport Canada notice does not apply.

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 encroachment or private property accessed from both streets.

Page | 11 Job No. 38408



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 are two (2) existing fire hydrants within the vicinity of the project, behind the street curb on the opposite side of the street from the project along Ochterloney Street. One (1) on the northwest corner at the intersection of Edward Street and one (1) on the northwest corner at the intersection of King Street. 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 wise to waive the requirement.

Page | 12 Job No. 38408



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
2:\SDMM\38000-38999\38400\38408\CMP\Rev 3\10 Edward St - CMP (Rev3) - 38408.docx

Page | 13 Job No. 38408



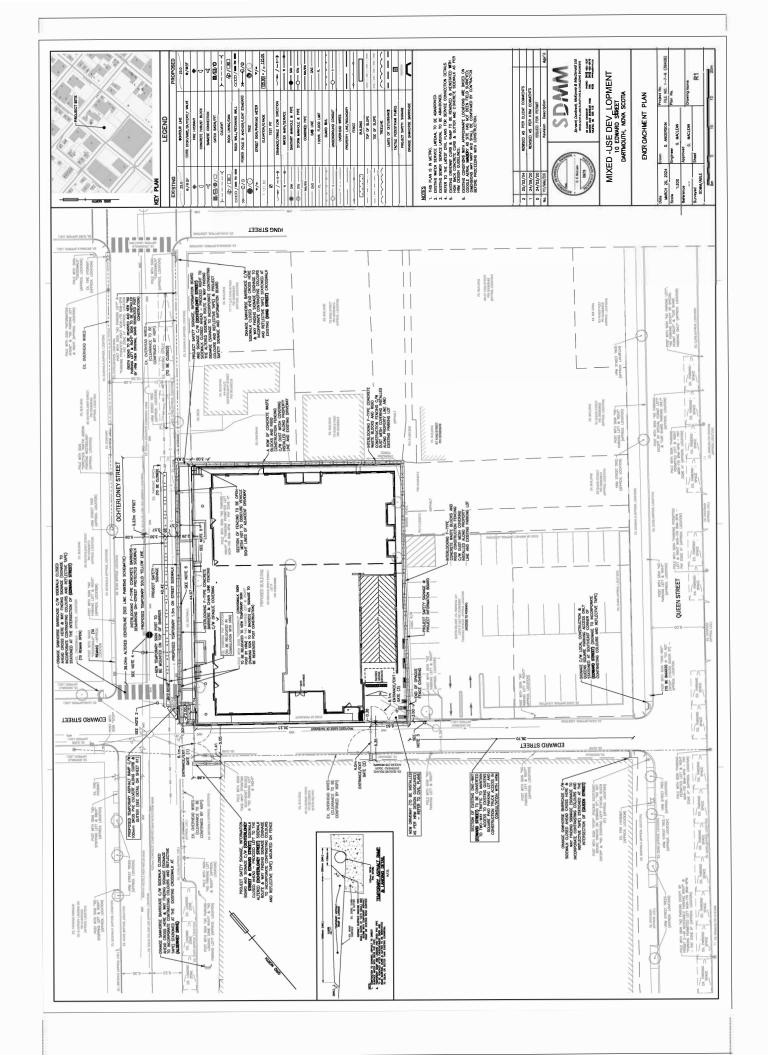
APPENDIX

Page | 14 Job No. 38408



Appendix A – Encroachment Plan

Page | A Job No. 38408





Appendix B – Traffic Control Plans TCP

Page | B Job No. 38408

Centerline Alteration Plan

Date: 2024-09-24 Author: Norman Bussmann, TWS, 902-817-3364 Project: 40 Octherloney St Contractor: SDMM Contact: Geoff MacLean 902-789-6374

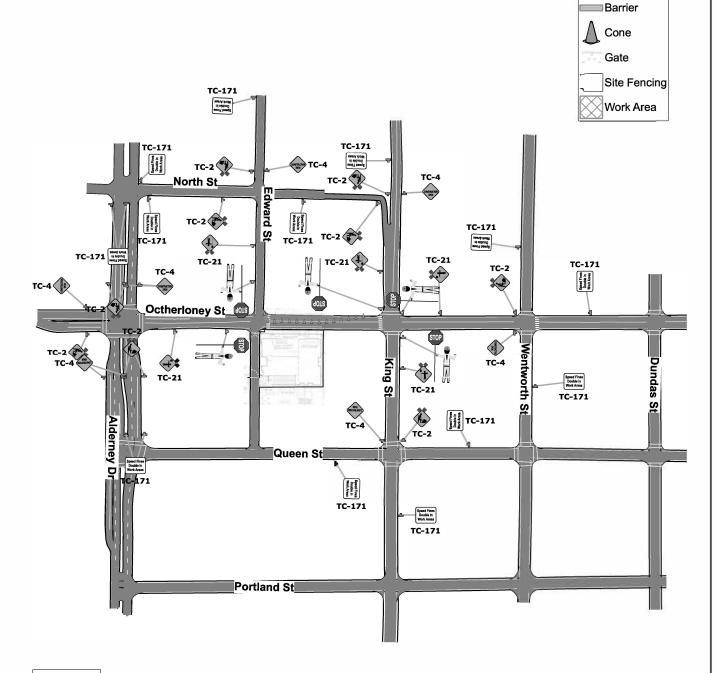
Comments:

Not to Scale

Application Guide C112
No sidewalk encroachment required



Legend



Manifest

76 x Barrier

15 x Cone

15 x TC-171

11 x TC-2

9 x TC-4

5 x TC-21

Barrier Installation and Removal Plan

Date: 2024-09-24 Author: Norman Bussmann, TWS, 902-817-3364 Project: 40 Octherloney St Contractor: SDMM Contact: Geoff MacLean 902-789-6374

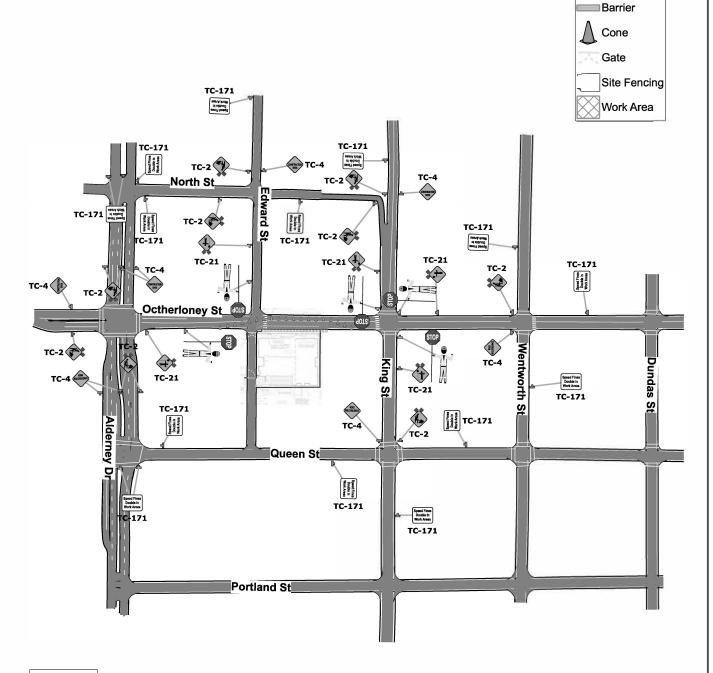
Comments:

Not to Scale

Application Guide C112 See Pedestrian Management Plan for sidewalk closure details



Legend



Manifest

76 x Barrier

19 x Cone

16 x TC-171

11 x TC-2

9 x TC-4

5 x TC-21

Street Closure Plan

Date: 2025-07-16 Author: Norman Bussmann, TWS, 902-817-3364 Project: 40 Octherloney St Contractor: SDMM Contact: Geoff MacLean, 902-789-6374

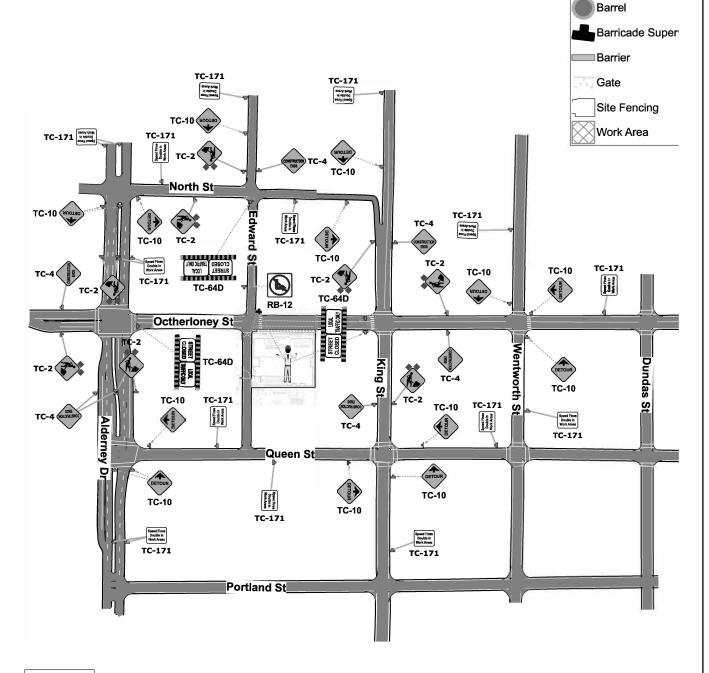
Comments:

Not to Scale

Application Guide C114
See Pedestrian Management Plan for sidewalk closure details



Legend



Manifest

- 76 x Barrier
- 18 x Barrel
- 17 x TC-171 15 x TC-10
- 10 x TC-2
- 7 x TC-4
- 3 x TC-64D
- 2 x ??
- 1 x RB-12

Encroachment Signage Plan Date: 2024-09-24 Author: Norman Bussmann, TWS, 902-817-3364 Project: 40 Octherloney St Contractor: SDMM Contact: Geoff MacLean 902-789-6374 Comments: Not to Scale Application Guides C114, C23 Signing Procedure: 13.5.14 See Pedestrian Management Plan for sidewalk closure details Legend Barrier Gate Site Fencing TC-171 seriii boaqs ril elduod samA shoW TC-171 TC-171 Speed Fines Double in Work Areas Speed Fines Double in Work Areas TC-10 (100130) TC-171 Seasy spoon North St TC-171 Edward St Speed Fines Double in Work Arress TC-171 TC-10 Speed Fines Double in Work freezs TC-10 TC-171 TC-2 TC-4 RB-12 TC-10 TC-171 TC-10 TC-4 **Ø** TC-2 Speed Fines Double in Work Areas TC-2 TC-13R **Octherloney St** Wentworth St TC-10 TC-13R RB-11 TC-4 King St TC-4 TC-10 TC-10 TC-171 Speed Fines Double in Work Areas Serie Posses Inc. 171 Speed Fines Double in Work Areas Queen St Speed Fines Double In Work Areas TC-171 TC-171 Portland St 1.5m walking path **Manifest** 76 x Barrier 16 x TC-171 12 x TC-10 9 x TC-2 7 x TC-4 2 x TC-13R 1 x RB-11 1 x RB-12

Detour Wayfinding Plan



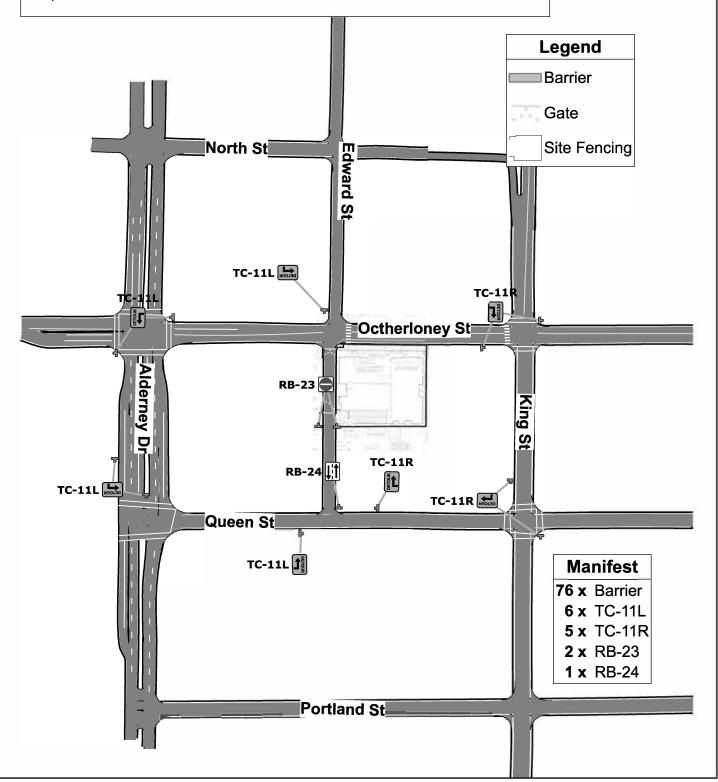
Date: 2024-09-24 Author: Norman Bussmann, TWS, 902-817-3364 Project: 40 Octherloney St Contractor: SDMM Contact: Geoff MacLean, 902-789-6374

Comments:

Not to Scale

Application Guide C77

This plan shows locations for detour tabs



Detour Wayfinding Plan Date: 2025-07-16 Author: Norman Bussmann, TWS, 902-817-3364 Project: 40 Octherloney St Contractor: SDMM Contact: Geoff MacLean 902-789-6374 Comments: Not to Scale Application Guide C77 See Pedestrian Management Plan for sidewalk closure details Legend Barrel Barricade Super Barrier Gate Site Fencing Work Area North St CLOSED TRAFFICONLY STREET LOCAL DETOUR TC-11 TC-11 TC-64D TC-11L TC-11R DETOUR TC-12S TC-64D Octherloney St Wentworth St TC-64D **J**ETOUR ENDS TC-11R TC-12S King St TC-11 SUDTE DETOUR TC-11R TC-11L Queen St **DETOUR** TC-11 TC-11L Portland St **Manifest** 76 x Barrier 18 x Barrel 4 x TC-11 4 x TC-11L 3 x ?? 3 x TC-11R 3 x TC-64D 2 x TC-12S

Service Laterals Installation Plan

Date: 2024-09-24 Author: Norman Bussmann, TWS, 902-817-3364 Project: 40 Octherloney St Contractor: SDMM Contact: Geoff MacLean 902-789-6374

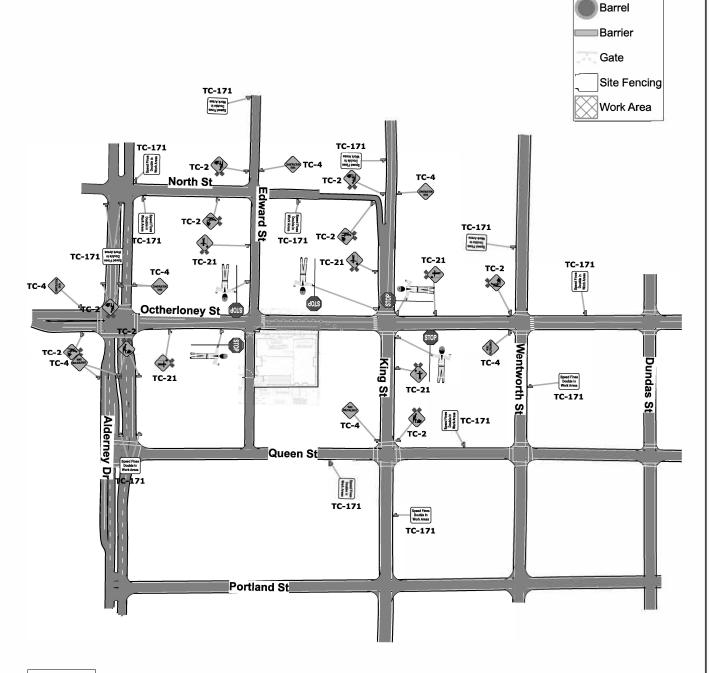
Comments:

Not to Scale

Application Guide C112 See Pedestrian Management Plan for sidewalk closure details



Legend



Manifest

76 x Barrier

15 x TC-171

13 x Barrel

11 x TC-2

9 x TC-4

5 x TC-21



Appendix C – Haul Route Plan

Page | C Job No. 38408

Haul Route Plan

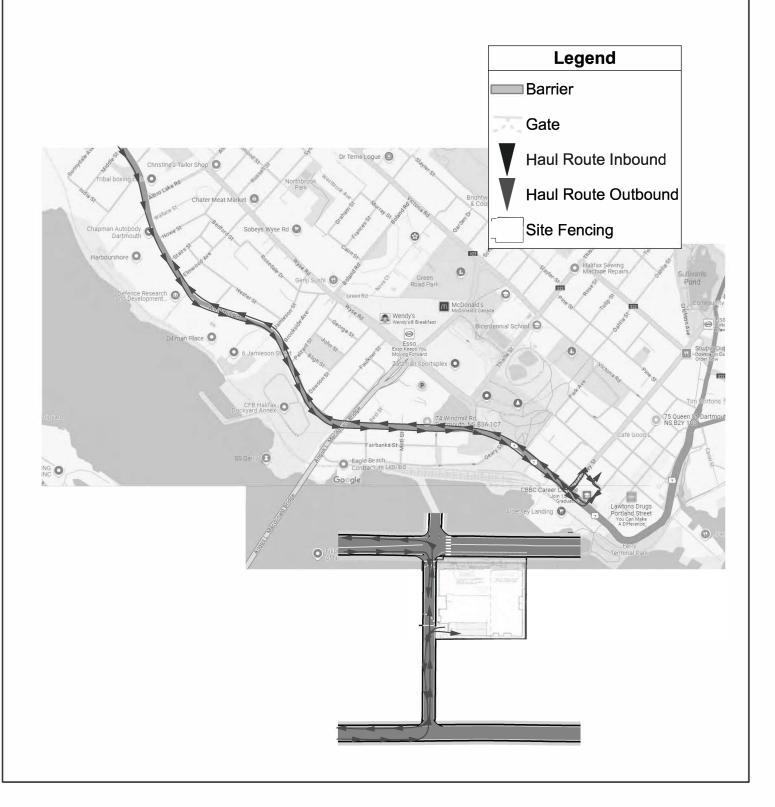
Date: 2024-09-24 Author: Norman Bussmann, TWS, 902-817-3364 Project: 40 Octherloney St Contractor: SDMM Contact: Geoff MacLean, 902-789-6374

Comments: Not to Scale

Haul Route Plan

Inbound via Hwy 7 to Octherloney St(or to Queen St) to Edward St

Outbound via Octherloney St or Queen St to Alderney Dr to Windmill Rd (Hwy 7)





Appendix D – Pedestrian Management Plan (PMP)

Page | D Job No. 38408

Detour Wayfinding Plan

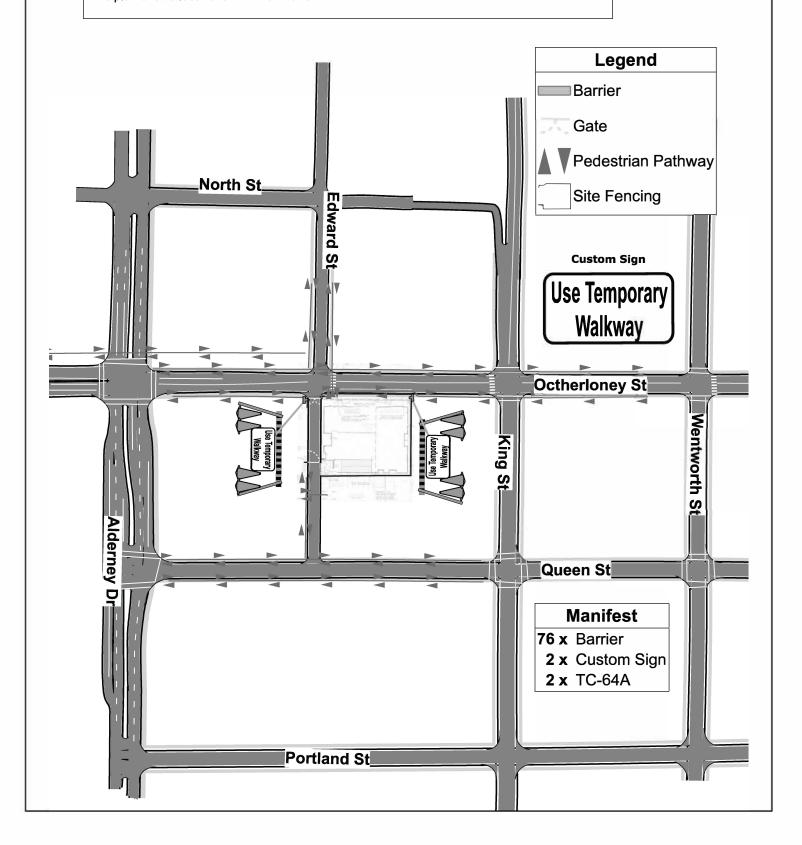
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Date: 2024-09-24 Author: Norman Bussmann, TWS, 902-817-3364 Project: 40 Octherloney St Contractor: SDMM Contact: Geoff MacLean, 902-789-6374

Comments: Not to Scale

Application Guide C77

This plan shows locations for detour tabs



Pedestrian Management Plan

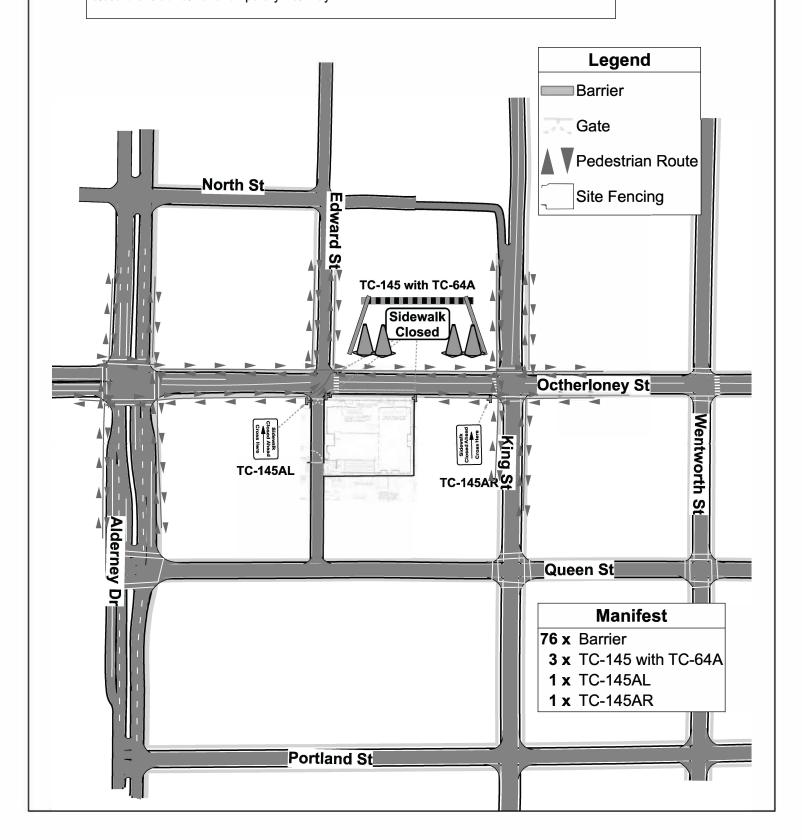


Date: 2025-07-16 Author: Norman Bussmann, TWS, 902-817-3364 Project: 40 Octherloney St Contractor: SDMM Contact: Geoff MacLean, 902-789-6374

Comments: Not to Scale

Pedestrian Management Plan

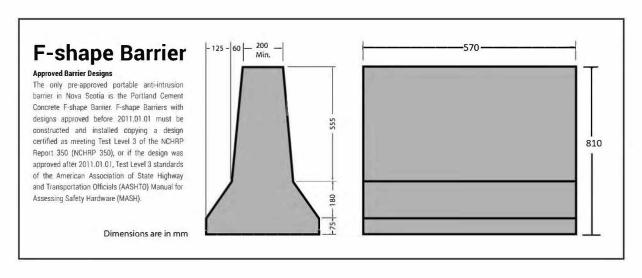
Closure of sidewalk and temporary walkway

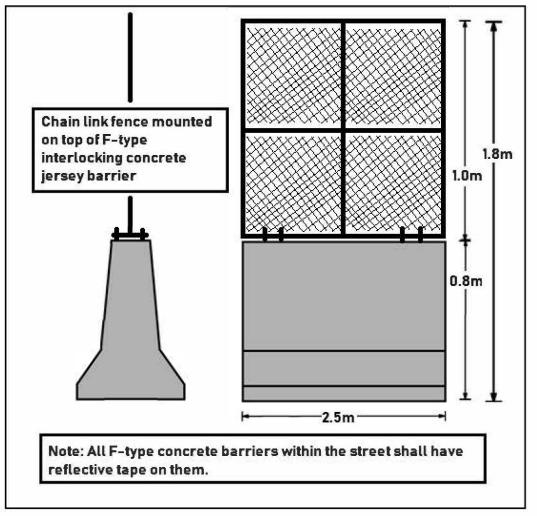


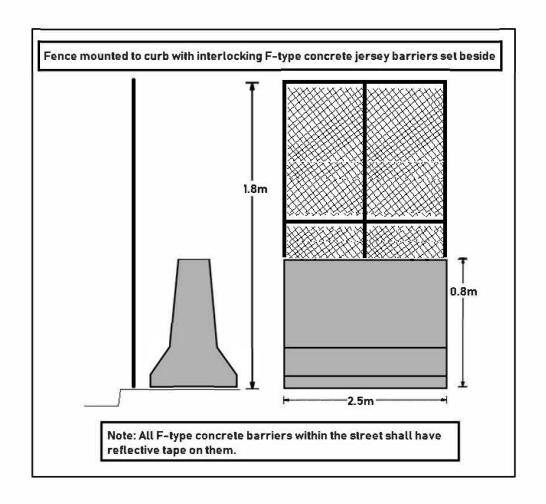


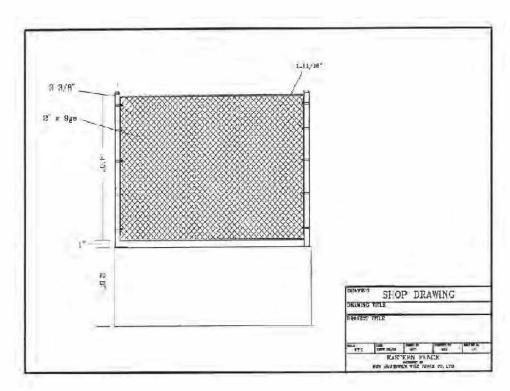
Appendix E – Barriers, Waste Blocks, Fence & Gates Information

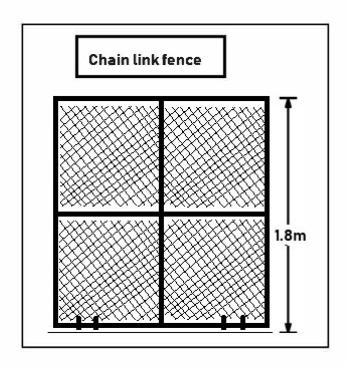
Page | E Job No. 38408

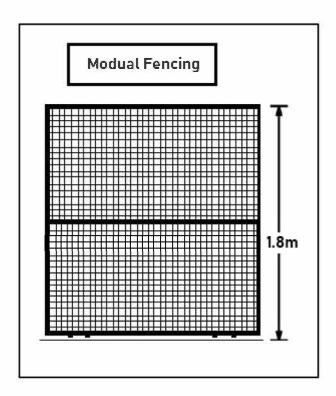


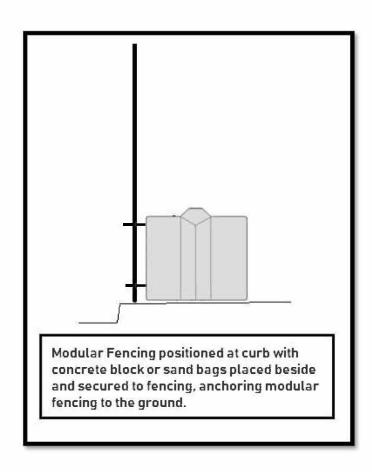


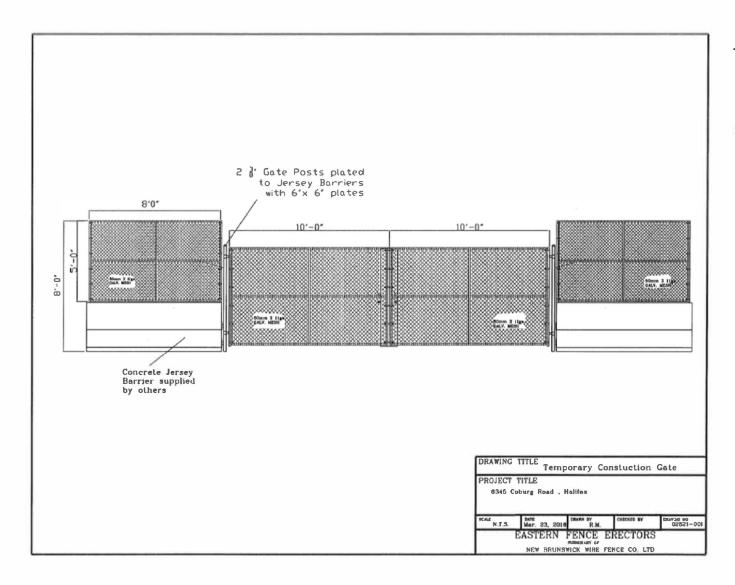














Appendix F – Hoarding Information

Page | F Job No. 38408

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





Technical Data Sheet

UltraMesh® Eclipse®

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		3	2×12	
Total Weight	DIN53352 BS3424 Method5A	270 +/- 20 gsm/m²	7.96 oz/yd²	
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	264	9 mm/s	
Light Transmission	GB/T-5453-1987	3	37%	
Temperature Resistance	BINS3357 BS3425 Method 10	-20°C 70°C		

Applications

	Beck-lit	Banner	Billboard	Block-out	Building Wrap	Fence Graphics	Trueksida
Applications							

Ink Printability

Solvent	Eca Solvent	ΠΛ	Latex	Screen Printing	Dye Transfer	Dys 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 infended only us a source of information. A regary binding guarantee of specific properties is not be the information aur apendications. They are given without guaranty and do not considere a warranty. A weight variance of +1/2 is acceptable. The purchases should independently determine, prior to use, the suitability of this material for his/her specific purpose. (Onta represents averages and is not intervied for use as a specification.)

ULTRAFLEX

WARRANT STATES

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Cordes No Union
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Small assemble inc.com

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Appendix G – Project Information Board

Page | G Job No. 38408



July 2025 – August 2028

OCHTERLONEY AT EDWARD APARTMENTS 10 Edward Street

31 Storey – Residential Building
226 Residential Units on 31 Levels
Level 1 Commercial Space

Bachelor, 1-, 2- and 3-Bedroom Units

2 Levels Underground Parking

Indoor & Outdoor Amenity Space with Landscaped level 4 & Penthouse Roof Greenhouse

Indoor Bicycle parking & Storage

Owner/Developer:

Ariana Development Ltd.
72 Gary Martin Drive, Unit 101, Halifax, NS, B4B 0P7

Project Manager:

Tremmier Construction Management 290 Starboard Drive, Halifax, NS, B3M 4W7

24 Hour Contact:

Kourosh Jahanbiglary - (902) 441-2005

Contractor:

Atlantic Road Construction and Paving

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

Contact:

Greg MacDonald - (902) 830-6411

Traffic Control:

Frontline Traffic Services

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

Contact:

Tyler Hayman - (902) 818-5548

Rodent Control Company:

Rentokil Pest Control

51 Duke Street, Bedford, Bedford, NS

Contact:

Main Office - (902) 835-2304



Appendix H – Project Safety Signage

Page | H Job No. 38408

NO TRESPASSING

CONSTRUCTION SITE To reduce risk of injury, • Hard Hat • Safety Shoes MUST be worn on this site.

RESTRICTED --- AREA ----

CONSTRUCTION WORK IN PROGRESS



Appendix I – Project Signage Specifications

Page | I Job No. 38408

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 10days 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 cab be considered 'informed'.

Samples







Appendix J – Sample Traffic Notification Letter

Page | J Job No. 38408



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:

Atlantic Road Construction and Paving

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

Phone: (902) 830-6411

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

Yours Truly,

Greg MacDonald

Atlantic Road Construction and Paving.



Appendix K – Vehicular and Pedestrian Hazard Assessment

Page | K Job No. 38408

Project Date: Location:

_	VEHICULAR & PEDESTRIAN HAZARD ASSESSMENT											
No.	Hazard:	Project Phase:	Vehicular Impacts:	Mitigation Methods:	Pedestrian Impacts:	Mitigation Methods:						
			Vehicles may enter project site and fall down excavation.	Place concrete barriers along travel ways. Concrete barriers and existing curbs to prevent vehicle entry.								
1	Excavation Excavation		Vehicle weight may surcharge excavation, causing excavation wall failure.	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.						
2	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.						
3	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.						
4	Vehicular & Pedestrian Activities	All Phases	Orivers 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.						
5		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.						
'n	Heavy Machinery Operation	All Thuses	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.						
6	6 Construction Signage All Phases		Construction signage may strike vehicular traffic.	l	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.						
7	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.						
8	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.						
9	Reinstatement of Public Infrastructure & Service Installation	Superstructure	Heavy equipment and hot concrete used during public infrastructure reinstatement and service installation may cause damage to vehicles.		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.						
10	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 failen debris.						

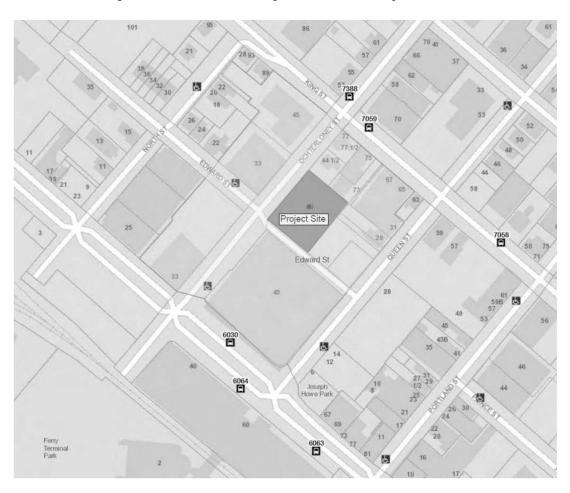


Appendix L – Community Consultation Records

Page | L Job No. 38408

COMMUNITY CONSULTATION MAP OVERVIEW

Project – Ochterloney & Edward Apartments



Notification Letter

Date: ******

Ariana Development Ltd. - Building Construction Information Meeting

Dear Neighbour,

As you may be aware, we are planning an apartment building construction project located at 10 Edward Street, on the corner of Ochterloney and Edward Street 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.

Kourosh Jahanbiglary (Tremmier Construction Management)

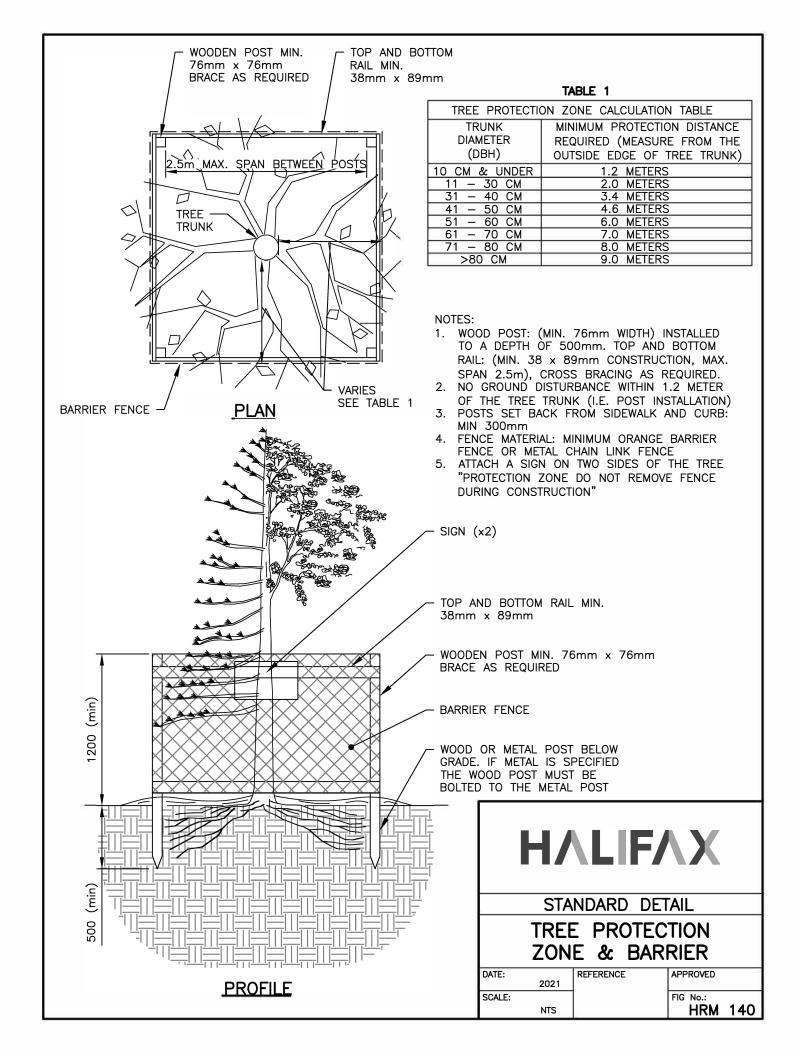
Cell: 902-441-2005

Email: kourosh@tremmier.ca



Appendix M – HRM Tree Detail

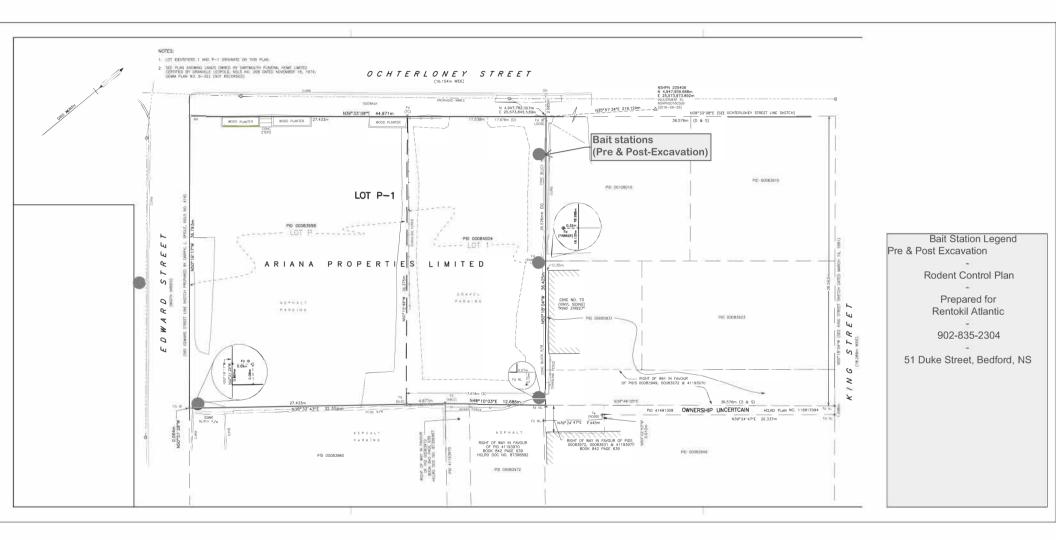
Page | M Job No. 38408





Appendix N – Rodent Control Plan

Page | N Job No. 38408





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

T-Rex[™] rat trap or Mini-Rex[™] mouse trap

▶ Compatible with Sidekick® Load-N-Lock™ system





More Than Meets The Eye

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

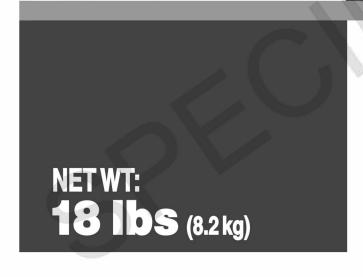
www.belllabs.com

BLOX TM









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:

*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 dotting ability of the blood and cause bleeding. If ingested, administer Vitemin K₁ intramuscularly or orally. Repeat as necessary based on monitoring of prothrombintimes.

TREATMENT FOR PET POISONING

If animal eats bait, call veterinarian at once.

NOTE TO VETERINARIAN

Anticagulant 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, pels, 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 fivestock, raccoons, bears, or other potentially destructive animals, or in areas open to hoofed fivestock.
- 3. Dispose of product container and unused, spoiled, or unconsumed bait as specified on this label.

Balt 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 (Raitus norvegicus), Roof rat (Raitus raitus), Cotton mouse (Peromyscus gossypinus), Cotton rat" (Sigmodon hispidus), Deer mouse (Peromyscus maniculatus), Eastern harvest mouse" (Reithrodontomys humul), Golden mouse" (Odirictomys nuttalii), Polynesian rat" (Raitus exulans), Meadow vole" (Microtus pennsylvanicus), White-footed mouse (Peromyscus leucopus), White-throated woodrat" (Neotoma aibiguia), 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 ordent 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, trashport 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 croos.

CONTRAC®

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:

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: Nonrefiliable 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:

BEIL
LABORATORIES, INC.
3699 Kinsman Blvd.
Madison, WI 53704 U.S.A.
www.bellabs.com

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

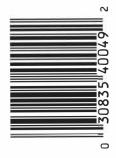
areas. Two blocks may be needed at points of very high activity. Maintain an uninterrupted supply of fresh bait for at least 15 days or until signs of mouse or meadow vole* activity cease.

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, at nearborage 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 HAZARDSTO 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 handsthoroughly 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.

587CB-9 MADE IN USA Product Code: CR4051 09041509-15



DETEX®BLOX with LUMITRACK

SAFETY DATA SHEET

ACCORDING TO REGULATION: OSHA

Hazard Communication Standard 29 CFR 1910.1200 January 2016

DATE OF ISSUE:

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	Proprietary	100.00%
(Unlisted components are non-hazardous)		

SECTION 4. FIRST AID MEASURES

Description of first aid measures

Ingestion: Non-Toxic Inhalation: Not applicable. **Eve 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.

Trade Name: Detex Blox with Lumitrack Date Created: January 2016 Supplier: Bell Laboratories, Inc.

Page 1 of 3

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

l	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 Eve 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 Sweet grain-like Odor:

Odor Threshold: Not applicable, odor not associated with a hazardous material.

pH: Not applicable, is not dispersible with water.

Not applicable **Melting point: 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

Not applicable, is not a liquid. Viscosity:

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 eve damage/Irritation: Not Toxic. Respiratory or skin sensitization: Not Toxic

Germ cell mutagenicity: Not Toxic Carcinogenicity: Not Toxic

Trade Name: Detex Blox with Lumitrack Date Created: January 2016 Supplier: Bell Laboratories, Inc.

Page 2 of 3

Components	NTP	IARC	OSHA	3
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:

Eve 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.

Trade Name: Detex Blox with Lumitrack Date Created: January 2016 Supplier: Bell Laboratories, Inc.

Page 3 of 3



Appendix O – CMP's TCP & PMP Inspection Records

Page | O Job No. 38408

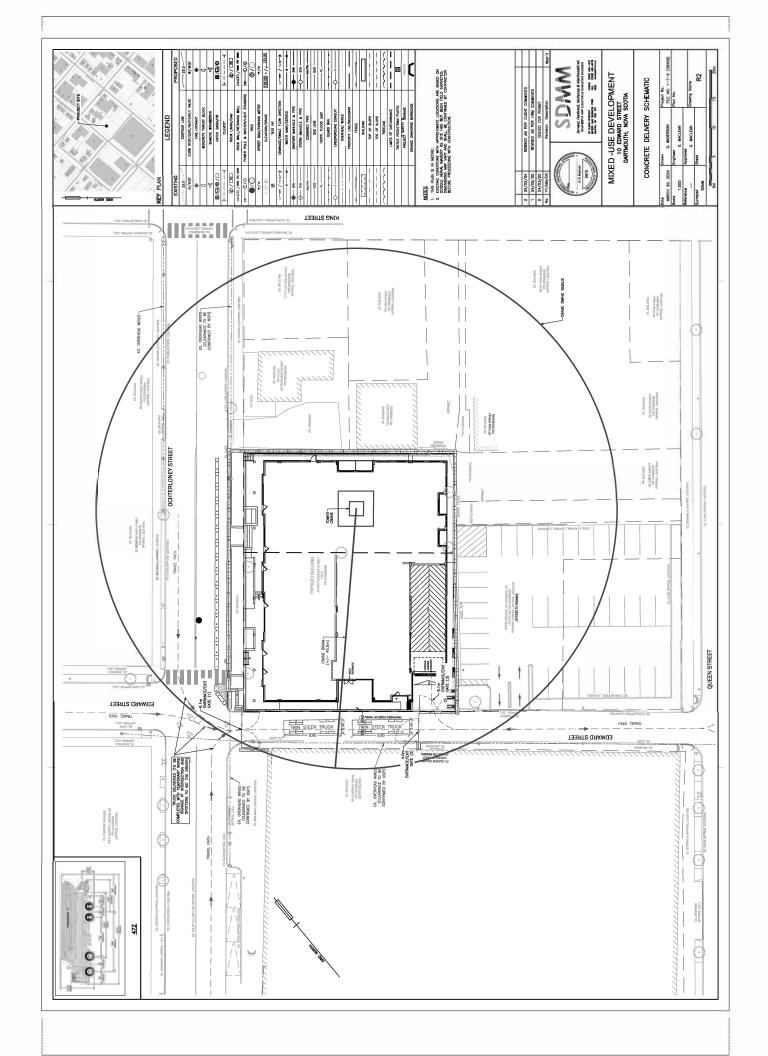
Project:	Location:	Phase:	Date:	Inspector:

	10.					AGEMENT PLAN - INSPECT	ION CHECKLIST	£
CMP Element	Set-up per PMP? Co		Cond	tion?	Action Required	Action Completed	Comments	
	Yes	No	N/A	Good	Bad			
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Appendix P – Concrete Delivery Schematic

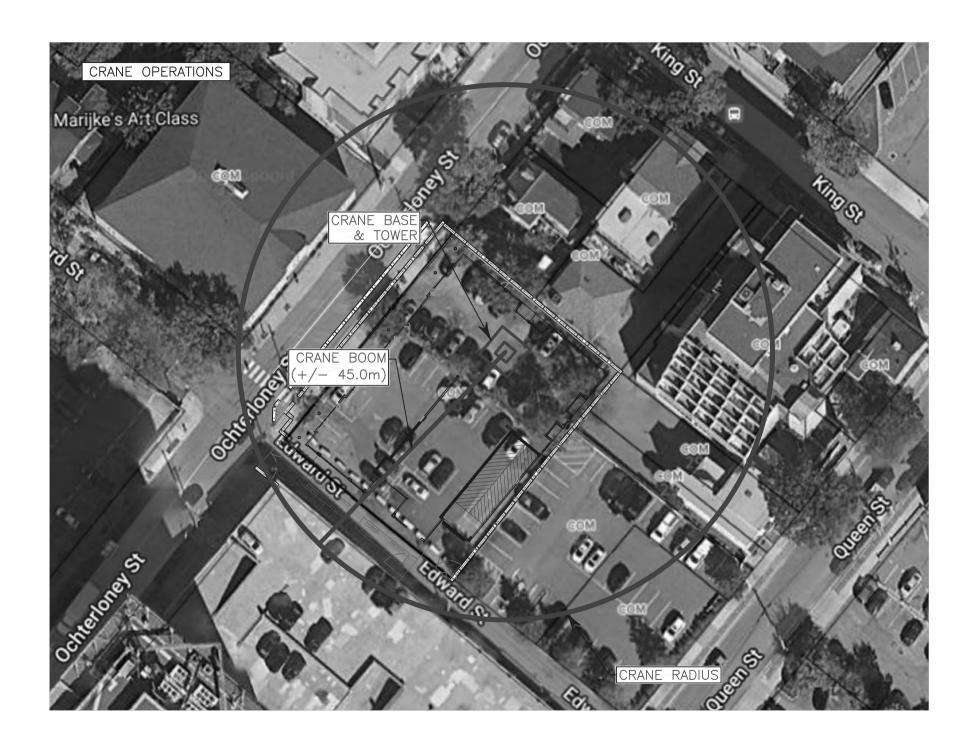
Page | P Job No. 38408

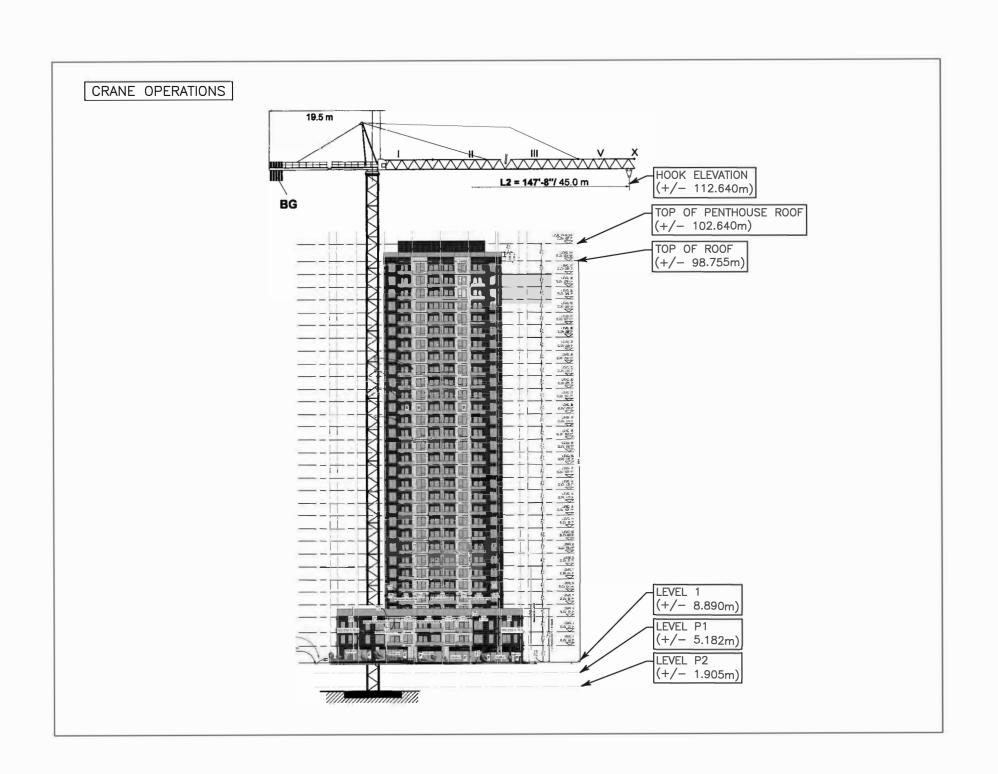




Appendix Q – Crane Information

Page | Q Job No. 38408



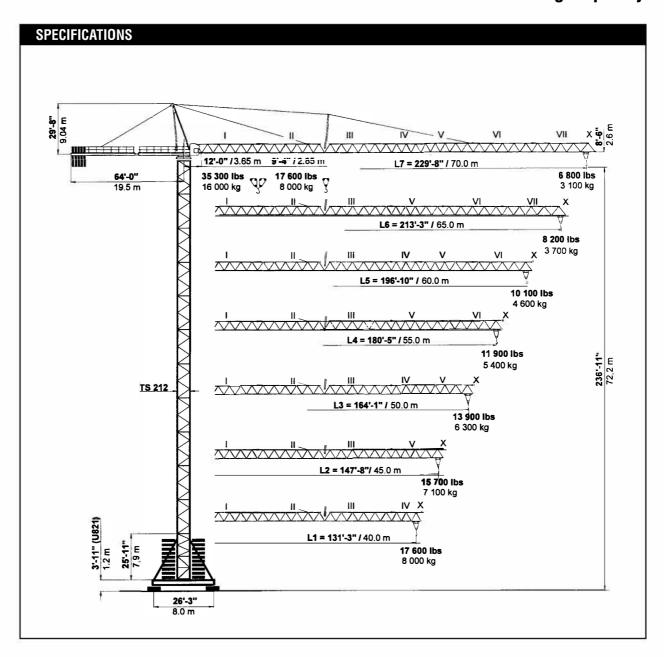


Tel: 1 (888) 337-BIGGE or (510) 638-8100 Web: www.biggetowercrane.com



PEINER SK 315

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

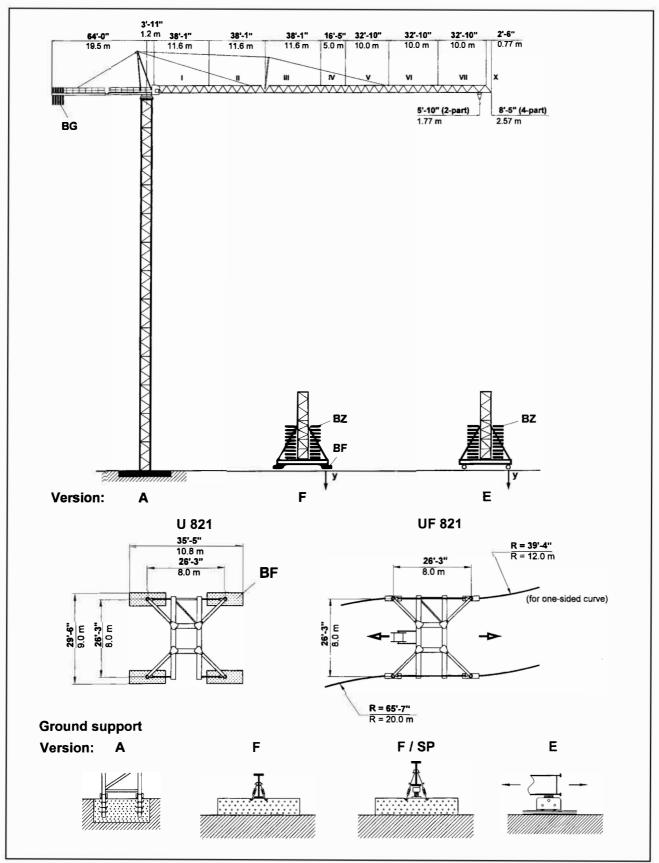


simple, available and cost effective™

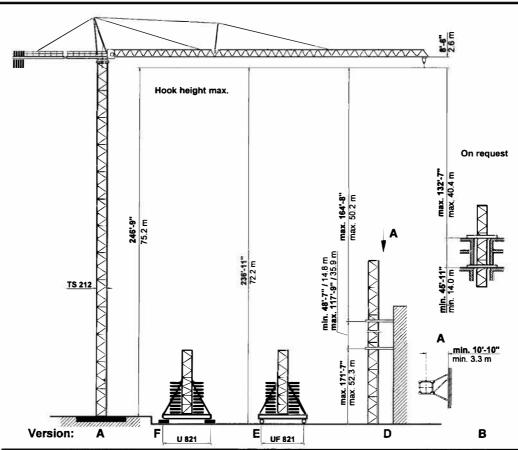
Machines shown may have optional equipment.



PEINER SK 315
Combinations of tower section, hook heights, forces acting per corner, base ballast



PEINER SK 315 Tower TS 211



TS 212	Version A				Version F			Version E	
Tower	НН	Tower	НН	BZ + BF	in service	y out of	BZ	in service	out of
TS 212.1	ft m	TSV 212 TS 212.1	ft m	kips / t	kips / kN	service kips / kN	kips / t	kips / kN	service kips / kN
13 x TS 212.1	246'-9"* 75.2*								
12 x TS 212.1	227'-4"* 69.3*	1 x TSV 212 11 x TS 212.1	236'-11"* 72.2*	212.0 96	204 909	279 1243	198.0 90	212 942	282 1253
11 x TS 212.1	208'-0"* 63.4*	1 x TSV 212 10 x TS 212.1	217'-6 "* 66.3*	168.0 76	186 826	240 1066	154.0 70	192 856	242 1075
10 x TS 212.1	188'-8"* 57.5*	1 x TSV 212 9 x TS 212.1	198'-2" 60.4	146.0 66	173 770	203 901	132.0 60	1 79 797	204 909
9 x TS 212.1	169'4" 51.6	1 x TSV 212 8 x TS 212.1	178'-10" 54.5	124.0 56	161 715	169 751	88.0 40	161 715	1 69 754
8 x TS 212.1	149'-11" 45.7	1 x TSV 212 7 x TS 212.1	159'-5" 48.6	101.0 46	149 661	145 645	88.0 40	1 54 683	170 654
7 x TS 212.1	1 30'-7" 39.8	1 x TSV 212 6 x TS 212.1	140'-1" 42.7	101.0 46	142 633	128 569	66.0 30	141 629	124 553
6 x TS 212.1	111'-3" 33.9	1 x TSV 212 5 x TS 212.1	120'-9" 36.8	101.0 46	136 607	112 499	66.0 30	135 600	108 482
5 x TS 212.1	91'-10" 28.0	1 x TSV 212 4 x TS 212.1	101'-5" 30.9	101.0 46	131 582	98 435	66.0 30	129 573	94 418
4 x TS 212.1	72'-6" 22.1	1 x TSV 212 3 x TS 212.1	82'-0" 25.0	101.0 46	126 559	85 376	66.0 30	123 548	81 359
3 x TS 212.1	53'-2" 16.2	1 x TSV 212 2 x TS 212.1	62'-8" 19.1	101.0 46	120 536	80 356	66.0 30	118 523	75 335
2 x TS 212.1	33'-9" 10.3	1 x TSV 212 1 x TS 212.1	43'-4" 13.2	101.0 46	116 515	80 356	66.0 30	112 500	75 335
Foundation					Stationary bas			Travelling bas	
	25'-7" x 25'-7" x 5'-7" 7.8 x 7.8x 1.7 m			U 821				UF 821	
Anchor s	tools			BF 4 x 8.82 l		BZ k 11.02 kips		Bogie Curve	
4 x FF	212			4 x 4.0	t B	lock 5.0 t		F 500	

If TSK 212 section is used the hook height is increased by 6'-7" (2 m).

* Lower climbing section after erection.

TS 212.1 = 19'-4 1/4" / 5.9 m

TSV 212 = 2

TSV 212 = 25'-11" / 7.9 m

TSK 212 = 6'-7" / 2.0 m

PEINER SK 315 Radius and Capacity

Г			Radi	ius – ft	t./m														
ı	Jib	Max.	Cap	acity –	lbs./m	ıt						A II							
ı		capacity	l				2-Pa	rt Line	\mathbf{v}		17,60	u ibs							
ı		max.		5 max. 8.0 t															
ı		17,600 lbs				-10	ξņ	5	- φ	iφ	÷	+	ΐς	<u>.</u>	-10	ထု	<u>-</u>	<u>+</u>	- φ
ı	≠ E	8.0 t	φ	P	į,	4	≟	-≥			12	, i	0	190'-3" 58	6-1	6	l ω .		9
			75. 23	82 .	. ස	114	1 31	4 4 4 4	147 45	157 48	164 ' 50	1 73 '	180 ' 55	25 88	196 .	206 .	213 '	223. 68	229
L7	229'-8"	9'-4" - 96'-9"	17600	17600	17400	14800	12800	11900	11200	10600	10100	9500	9000	8600	8200	7700	7500	7100	6800
		2.85 - 29.5 m	8.0	8.0	7.9	6.7	5.8	5.4	5.1	4.8	4.6	4.3	4.1	3.9	3.7	3.5	3.4	3.2	3.1
L6	213'-3"	9'-4" - 105'-0"		17600		16100	13900		12300		11000	10400	9900	9300	8800	8600	8200		
L		2.85 - 32.0 m	8.0	8.0	8.0	7.3	6.3	5.9	5.6	5.2	5.0	4.7	4.5	4.2	4.0	3.9	3.7		
L5		9'-4" -117'-9"		17600	L.	17600	15700	14600		13000				10600	10100				
Ш		2.85 - 35.9 m	8.0	8.0	8.0	8.0	7.1	6.6	6.3	5.9	5.6	5.3	5.1	4.8	4.6				
L4		9'-4" - 124'-8"	17600	17600	ı		16800	15400		1	13200	1	11900					()	
ᆫ		2.85 - 38.0 m	8.0	8.0	8.0	8.0	7.6	7:0	6.7	6.3	6.0	5.6	5.4		d enga	Legisla			
L3		9'-4" - 130'-11''		17600	1		17600		15400	14600	13900								
ᆫ		2.85 - 39.9 m	8.0	8.0	8.0	8.0	8.0	7.4	7.0	6.6	6.3					ceum:			
L2		9'-4" - 131'-11"			17600	17600	17600		15700					l		ļ			
┖		2.85 - 40.2 m	8.0	8.0	8.0	8.0	8.0	7.5	7.1										
L1		9'-4" - 131'-3"			17600	17600	17600												
┕	40.0	2.85 - 40.0 m	8.0	8.0	8.0	8.0	8.0												
1	ft	35,300 lbs				4	-Part I	ine 🕾	17 m	nax. 3	5.300) lbs			R	adius -	2'-7"	(- 0.8	m)
ı	m	16.0 t	4-Part Line max. 35,300 lbs Radius - 2'-7" (- 0.8							(0.0	,								
L7			21800	19600	16100	13200	11200	10400	9700	9000	8600	7900	7500	7100	6600	6200	6000	5500	5300
ľ		3.65 - 14.8 m	9.9	8.9	7.3	6.0	5.1	4.7	4.4	4.1	3.9	3.6	3.4	3.2	3.0	2.8	2.7	2.5	2.4
L6		12'-0" - 52'-2"		21600		14600		-	10800	9900	9500	8800	8400	7700	7500	6800	6600	4.0	2.4
ľ		3.65 - 15.9 m	10.8	9.8	7.9	6.6	5.7	5.2	4.9	4.5	4.3	4.0	3.8	3.5	3.4	3.1	3.0		
L5		12'-0" - 57'-9"		_	19800		14300		12300		10800	10100	9700	9000	8600				
		3.65 - 17.6 m	12.2	11.1	9.0	7.6	6.5	5.9	5.6	5.2	4.9	4.6	4.4	4.1	3.9				
L4		12'-0" - 61'-0"	28700	26000	21200	17900	15200	14100	13200	12300	11700	10800	10400	C P C DU					
	54.2	3.65 - 18.6 m	13.0	11.8	9.6	8.1	6.9	6.4	6.0	5.6	5.3	4.9	4.7						
L3	161'-5"	12'-0" - 63'-8"	30200	27300	22300	18700	16100	14800	14100	12800	12300								
1	49.2	3.65 - 19.4 m	13.7	12.4	10.1	8.5	7.3	6.7	6.4	5.8	5.6	Commence of the Commence of th							
L2	145'-0"	12'-0" - 64'-0"	30400	27600	22500	19000	16300	15000	14100										
	44.2	3.65 - 19.5 m	13.8	12.5	10.2	8.6	7.4	6.8	6.4				us						
L1	128'-7"	12'-0" - 66'-3"	31700	28700	23600	19800	17000			=====									-7
	39.2	3.65 - 20.2 m	14.4	13.0	10.7	9.0	7.7												

Speeds

FU 8-160/4	10.2 HP 7.5 kW										
SR 10-190/3	2 x 16.3 HP 2 x 12.0 kW										
K WB 120/4								2 x 11.4 HP 2 x 8.4 kW			
HK max. = 705' (215 m) 6 - layers									480 V / 60 Hz / 3 ph		
		2-Part Line	◆ 444 fpm 134 m/min	5 500 lbs 2 500 kg	4-Part Line	→ 222 fpm 67 m/min	11 000 lbs 5 000 kg	Total motor output	~14		
Type SR WB 66-	台」 1	→ 💆	276 fpm 84 m/min	9 300 lbs 4 200 kg		◆ 138 fpm 42 m/min	18 600 lbs 8 400 kg	without SR 10-190/3	HP ∼10		
80/4F	\'	~	→ 180 fpm 54 m/min	13 900 lbs 6 300 kg		◆ 90 fpm 27 m/min	27 800 lbs 12 600 kg		kW		
[108 HP] [79 kW]			◆ 108 fpm 34 m/min	17 600 lbs 8 000 kg		54 fpm 17 m/min	35 300 lbs 16 000 kg	Connected power	170 kVA		

Counterweight

Jib		L1	L2	L 3	L4	L 5	L6	L 7
	BG	30 000 lbs	32 200 lbs	36 600 lbs	39 150 lbs	43 550 lbs	41 350 lbs	45 750 lbs
		13 600 kg	14 600 kg	16 600 kg	17 750 kg	19 750 kg	18 750 kg	20 750 kg
Counterweight	[lbs]	3 x 6 950	2 x 6 950		3 x 6 950	1 x 6 950	2 x 6 950	
	20.00	1 x 9 150	2 x 9 150	4 x 9 150	2 x 9 150	4 x 9 150	3 x 9 150	5 x 9 150
	[t]	3 x 3.15	2 x 3.15		3 x 3.15	1 x 3.15	2 x 3.15	
		1 x 4.15	2 x 4.15	4 x 4.15	2 x 4.15	4 x 4.15	3 x 4.15	5 x 4.15

PEINER SK 315 Dimensions and transport weights

See operating manual for mounting weights

	Designation			Dime	nsions (Weight	Volume	
					l b	ĵ 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 Section II Section IV Section V Section VI Section VII Jib tip X			39.01 11.89 38.65 11.78 19.19 5.85 35.34 10.77 36.03 10.98 33.33 10.16 3.12 0.95	4.99 1.52 4.99 1.52 4.99 1.52 4.99 1.52 4.99 1.52 4.99 1.52 5.02	5.84 1.78 6.17 1.88 5.41 1.65 5.45 1.66 5.48 1.67 5.32 1.62 1.64 0.50	3 790 1.72 4 320 1.96 1 760 0.80 3 090 1.40 2 470 1.12 1 570 0.71 310 0.14	1 137 32.2 1 190 33.7 519 14.7 961 27.2 985 27.9 853 25.0 25
	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
3	Turntable with slewing ring supp	ort		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	ВG		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
		TS 212.1		19.52 5.95	7.78 2.37	8.01 2.45	9 130 4.14	1 216 34.4
6	Tower section	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	Ş					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.

Web site: www.biggetowercrane.com

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Appendix R – Line Painting Schematic

Page | R Job No. 38408

