Lindsay CONSTRUCTION
BUILDING PARTNERS



HAZELVIEW DEVELOPMENT

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CONSTRUCTION MANAGEMENT PLAN

210 & 214 Willett Street, Halifax NS

Rev 0 – April 2021

Prepared By
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Section 1 – Introduction

Section 1.1 – Project Description and Objectives

Hazelview Investments has contracted Lindsay Construction as Construction Manager to lead the design and development of a proposed multi residential complex located at current addresses 210 & 214 Willett Street. The project will consist of demolishing the two existing vacant apartment complexes, followed by excavation, substructures, and superstructures. The design of the new development consists of three apartment towers, two levels of underground parking, and stacked townhouses. The parking ratio will be a minimum of 0.9 for the new development, including underground and above ground parking. A landscape architect is engaged to provide a tree conservation plan to incorporate existing trees on the South and West of the property line and design gardens/green space. Existing trees to remain will be protected as required during demolition and construction. The proposed development will consist of a mix of units, including 1-bedroom, 2-bedroom, and 3-bedroom units. The total unit count is 527 units with an approximate total above grade structure area of 49,355 square meters.

The proposed access to the new development will remain from Willett Street. The new structures will be setback 6m from the existing property side edge of the sidewalk. No long-term encroachments of municipal rights-of-way (sidewalks or streets) are required for any phase of the project, except for municipal service tie-ins at which time we will apply for a Right-of-Way Development permit. All existing bordering properties will remain undisturbed during the construction of the new development and all neighbors will be notified and updated on construction activities prior to commencing work.

The purpose of the CMP is to help mitigate impacts of the development to the surrounding community, the CMP document will evolve as required and any changes will be submitted to HRM in the form of a CMP Change Request. The CMP document was prepared in coordination with Lindsay Construction (Construction Manager), the developer (Hazelview Investments), the Civil Engineer (Design Point), the Prime Consultant (ZZap Architecture and Planning), and a certified traffic control company following HRM's CMP (2020) guidelines and administrative order (2018-005-ADM).

A current approved version of the CMP will always be kept on site for reference during construction. Lindsay Construction will ensure the CMP is followed and all contractors are aware of the document and requirements.

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Section 1.2 – Project Contact Information

The project team for the proposed development is noted as follows:

Role	Name	Contact	Address	Phone
Developer	Hazelview Investments	Aimee Grigg	1133 Yonge St, 4th Floor, Toronto, ON M4T 2Y7	416-624-8667
Construction Manager	Lindsay Construction	Janna Boutilier	105-134 Eileen Stubbs Ave, Dartmouth NS B3B 0A9	902-293-9259
Traffic Control Company	Frontline Traffic Services	Phil Pruneau	6 Belmont Ave, PO Box 89, Eastern Passage NS B3G 1M7	902-818-5548
Rodent Control Company	Terminix Canada	Stephen MacLean	204 Brownlow Ave Unit 155, Dartmouth NS B3B 0M4	902-219-0020

Section 2 – Construction Schedule and Logistics

The following is a summary of the proposed project schedule assuming all HRM permits are in place.

Section 2.1 – Schedule

Project Phase	Duration	Start Date	End Date
Rodent Control Program	50 months	June 21, 2021	August 20, 2025
Site Fencing	50 months	Aug 21, 2021	Oct 25, 2025
Demolition	8 months	Aug 27, 2021	April 15, 2022
Excavation	7 months	Nov 7, 2021	June 5, 2022
Substructures	8 months	December 10, 2021	Aug 20, 2022
Superstructures	41 months	March 20, 2022	August 26, 2025
Flat Works	2 months	May 1, 2025	June 30, 2025
Service Installs	1 month	Sept 1, 2022	Oct 1, 2022

Section 2.2 – Work within the Public Right-of-Way

Work within the right-of-way will include main service connections and tie-ins. A right-of-way development permit will be obtained prior to any work occurring in the right-of-way. Refer to above estimated schedule for service installs. Work to be completed in right-of-way as per HRM current standards, during weekends only with reinstatement on the following Monday.

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Section 2.3 – Hours

Construction work will generally take place during normal working hours 7:00am-5:00pm, Monday-Friday. We will ensure adherence to HRM's Noise By-Law and Traffic Control Manual Supplement, as follows:

- Monday to Friday 7:00am-9:30pm
- Saturdays 8:00am-7:00pm
- Sundays & Statutory Holidays 9:00am-7:00pm
- Service Installs Noted above

Work outside these hours is not expected, but if for any unforeseen reason is required, we will apply to HRM for approval at least 5 business days in advance.

Section 3 – Relevant Regulations & Guidelines

Section 3.1 – Occupational Health & Safety Regulations

Lindsay Construction has a stringent safety program that is followed for all projects and put in place by the Safety Department. Including site hazard assessments, weekly safety site visits, reporting, tool box talks, safety meetings, and safety documentations and records. All trade contractors are also responsible for following and providing all required documentation to adhere to the Lindsay Construction Safety Program. In addition to the Lindsay Construction Safety program, all applicable Provincial and Federal Occupational Health & Safety Regulations will be met. At a minimum, this includes adherence to:

a. National Building Code of Canada, as adopted and modified under the Building Code Act and the NS Building Code Regulations made under that Act;
b. Nova Scotia occupational Health & Safety Act, and the NS 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)

Section 3.2 – Municipal Regulations & Guidelines

The CMP will be utilized in agreement with and meet the standards of all relevant municipal by-laws including, but not limited to:

a. S-300 Streets;
b. E-200 Encroachments;
c. B-201 Building;
d. N-200 Noise;
e. T-600 Trees;
f. S-900 Controlled Access Streets;
g. T-400 Truck Routes;
h. W-101 Discharge into Public Sewers;
i. B-600 Blasting;
j. HRM TCM Supplement;

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k. G-200 Grade Alteration and Stormwater Management;
l. Admin Order 2018-005-ADM regarding encroachments;
m. Admin Order 2020-010-OP regarding stormwater management standards for development activities
n. HRM Design Guidelines and Standard Details

Section 4 – Vehicle and Pedestrian Management

In advance of any construction activities on site, all temporary workplace traffic & pedestrian control devices and signage will be in place as per NS Temporary Workplace Traffic Control Manual (latest edition). The Traffic control company will install the signage and maintain it throughout the construction activities. Refer to the Appendix A for TCPs.

Section 4.1 – Vehicular Traffic Control

All Traffic Control Plans are provided in the Appendix A section of the CMP. Traffic Control will be required for certain deliveries to site (for example, crane delivery and any large equipment being delivered to site with an 18-wheeler), and also will be required for the street services installation, where temporary lane closures will be required to complete this work.

Section 4.1.1 – Payment of Applicable Fees

Payment of all applicable fees will be made in accordance with HRM Administrative Order 15 (AO15). Requests for lane and street closures will be submitted to HRM at least 10 days prior to the proposed work.

Section 4.1.2 – Vehicular Hazard Assessment

Refer to Appendix J for vehicular and pedestrian hazard assessment information.

Section 4.1.3 – Traffic Control Plan Preparation & Monitoring

All phases of the construction for the development project were considered when preparing the TCPs. The TCPs were prepared in accordance with the TAC Manual of Uniform Traffic Control Devices, the NSTIR Temporary Workplace Traffic Control Manual, and the HRM Traffic Control Manual Supplement.

The TCPs were prepared by Frontline Traffic Services, a certified temporary workplace signer, Phil Pruneau. Refer to Section 4.1.8 and Appendices.

Section 4.1.4 – Notifications of Traffic Closures

HRM and the public will be notified of any proposed traffic closures as outlines in Section 8.3.

Section 4.1.5 – Traffic Control Element Inspection & Maintenance

All TCPs will be implemented by Frontline Traffic Services and team of certified Traffic Control Persons (recognized by the NS Department of Transportation and Infrastructure Renewal). Construction warning signage will be placed on all approaches to the site in accordance with the NS Temporary Workplace Traffic Control Manual. Frontline Traffic Services will inspect and monitor all devices at the start and end of each work day. See Appendix H for sample inspection sheets.

Section 4.1.6 – Changes to Traffic Control Plans

Any changes to TCPs will be sent to HRM for approval at least 10 days prior to the implementation and no change will occur until HRM approval is received.

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Section 4.1.7 – Emergency Vehicle Access

Emergency vehicle access will be maintained at all times for the duration of the project. There will be no obstructions to the fire hydrant located on Willett Street near existing civic address 214 Willett Street.

Section 4.1.8 – Traffic Control Plans & Haul Route Plan

Refer to Appendix A for all TCPs, Haul Route Plans, Fencing/Hoarding Plans, Service Installation Plans, and Street/Lane Closure Plans.

Section 4.1.8.1 – Demolition Phase Traffic Control

During the demolition phase of the project, traffic and pedestrian flow will not be affected. Encroachments in the right-of-way are not required as the existing structures are well setback from the public right-of-way. The setbacks meet the Occupational Safety general Regulations made under the Section 82 of the Occupational Health and Safety Act, stating the demolition zone area having its centre at the point of demolition and having a horizontal radius equal to 1 ½ times the initial height of the project, or portion of the project being demolished. Site fencing along the property lines with an anchored access gate on Willett Street will secure the construction site. The demolition contractor will provide an engineered plan confirming the demolition zone and any engineered site protection to protect vehicles as an additional safety measure. Proper signage warning vehicles they are approaching a construction zone will be in place as per the TCPs.

Section 4.1.8.2 – Excavation Phase Traffic Control

During the excavation phase of the project, traffic and pedestrian flow will not be affected. Encroachments in the right-of-way are not required as the excavation will be set back at least 3m from the public right-of-way. Site fencing along the property lines with an anchored access gate on Willett Street will secure the construction site. Proper signage warning vehicles they are approaching a construction zone will be in place as per the TCPs.

During any blasting required, solid plywood hoarding will be designed and certified by a P.Eng and mounted on sections of the rigid fence adjacent to the blasting areas to protect vehicles from potential blasting debris.

Section 4.1.8.3 – Substructure Phase Traffic Control

During the substructure phase of the project, traffic and pedestrian flow will not be affected. Encroachments in the right-of-way are not required as the new structures are setback at least 6m from the public right-of-way. Site fencing along the property lines with an anchored access gate on Willett Street will secure the construction site. Proper signage warning vehicles they are approaching a construction zone will be in place as per the TCPs.

Section 4.1.8.4 – Superstructure Phase Traffic Control

During the superstructure phase of the project, traffic and pedestrian flow will not be affected. Encroachments in the right-of-way are not required as the new structures are setback at least 6m from the public right-of-way. Site fencing along the property lines with an anchored access gate on Willett Street will secure the construction site. Proper signage warning vehicles they are approaching a construction zone will be in place as per the TCPs. For additional safety to vehicles during this phase of the project, engineered netting will be in place to catch any construction debris that potentially could fall from the structure

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Section 4.1.9 – Haul Route Plan

A Haul Route Plan (HRP) is provided in Appendix A and will be implemented throughout all phases of the development project. The HRP adheres to the HRM Traffic Control Manual Supplement and includes proposed routes which construction and delivery trucks will use throughout the project. Haul Routes will be by streets approved in the HRM Truck Route Bylaw (T-400).

Section 4.1.10 – Parking

On street parking will not be affected by the construction project.

Section 4.1.10.1 – Contractor Parking

On site workers will be encouraged to carpool to minimize any parking in the adjacent neighborhoods. Contractor parking will be available on the construction site.

Section 4.2 – Pedestrian Management

Pedestrian management and safety is our top priority during all phases of the construction project. Sidewalk encroachments were assessed and determined to not be required for any phase of the project. Site fencing and required hoarding enclosures with anchored gated access will be in place with appropriate signage to secure the construction site from pedestrians.

Section 4.2.1 – Bus Stop Relocation

No changes required for the existing bus stop locations on Willett St and Dunbrack St.

Section 4.2.2 – Payment of Applicable Fees

Payment of all applicable fees will be made in accordance with HRM Administrative Order 15 (AO15). Requests for lane and street closures will be submitted to HRM at least 10 days prior to the proposed work.

Section 4.2.3 – Pedestrian Hazard Assessment

See Appendix J for Pedestrian Hazard Assessment information.

Section 4.2.4 – Pedestrian Management Plan Preparation & Monitoring

Pedestrian Management Plans (PMPs) have been prepared for as required for each project phase. The PMPs have been prepared by Frontline Traffic Services, certifies temporary workplace signer (TWS), Phil Pruneau. The PMPs illustrate the proposed signage to be installed to warn pedestrians of the construction zone. The PMPs and renderings are provided in Section 5.3 and in Appendices A & B.

Section 4.2.5 – Notifications of Pedestrian Closures

HRM and the public will be notified of proposed pedestrian closures as outlines in Section 8.3. Notification of pedestrian disruptions will be distributed to affected residents and businesses at least 5 days in advance of disruption.

Section 4.2.6 – Pedestrian Management Plan Compliance

All PMPs will be implemented and monitored by Frontline Traffic Services. Construction warning signage will be displayed at approaches to the construction zone and the construction site. Frontline Traffic Services will inspect all pedestrian management devices and signage at the start and end of each work day to ensure correctly implemented. Refer to Appendix H for a sample inspection sheet.

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Section 4.2.7 – Changes to Pedestrian Management Plans

Requests for changes to the PMPs will be sent to HRM for approval at least 10 days prior to the proposed implementation.

Section 4.2.8 – Pedestrian Management Plans

Frontline Traffic Services certified temporary workplace signer, Phil Pruneau, prepared the PMPs. All phases of the project have been analyzed and separate PMPs are submitted as required (Refer to Appendix A).

Section 4.2.8.1 – Demolition Phase Pedestrian Management

During the demolition phase of the project, no sidewalk encroachments are required due to the existing structures being setback from the public right-of-way. The setbacks meet the Occupational Safety general Regulations made under the Section 82 of the Occupational Health and Safety Act, stating the demolition zone area having its centre at the point of demolition and having a horizontal radius equal to 1 ½ times the initial height of the project, or portion of the project being demolished. Site fencing along the property lines with an anchored access gate on Willett Street will secure the construction site. The demolition contractor will provide an engineered plan confirming the demolition zone and any engineered site protection to protect pedestrians as an additional safety measure. Proper signage warning pedestrians they are approaching a construction zone will be in place as per the PMPs.

Section 4.2.8.2 – Excavation Phase Pedestrian Management

During the excavation phase of the project, pedestrian flow will not be affected. Encroachments in the right-of-way are not required as the excavation will be set back at least 3m from the public right-of-way. Site fencing along the property lines with an anchored access gate on Willett Street will secure the construction site. Proper signage warning pedestrians they are approaching a construction zone will be in place as per the TCPs.

During any blasting required, solid plywood hoarding will be designed and certified by a P.Eng and mounted on sections of the rigid fence adjacent to the blasting areas to protect pedestrians from potential blasting debris.

Section 4.2.8.3 – Substructure Phase Pedestrian Management

During the substructure phase of the project, pedestrian flow will not be affected. Encroachments in the right-of-way are not required as the new structures are setback at least 6m from the public right-of-way. Site fencing along the property lines with an anchored access gate on Willett Street will secure the construction site. Proper signage warning pedestrians they are approaching a construction zone will be in place as per the PMPs.

Section 4.2.8.4 – Superstructure Phase Pedestrian Management

During the superstructure phase of the project, pedestrian flow will not be affected. Encroachments in the right-of-way are not required as the new structures are setback at least 6m from the public right-of-way. Site fencing along the property lines with an anchored access gate on Willett Street will secure the construction site. Proper signage warning pedestrians they are approaching a construction zone will be in place as per the PMPs. For additional safety to pedestrians during this phase of the project, engineered netting will be in place to catch any construction debris that potentially could fall from the structure (Refer to Section 5.1.5 for more details).

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Section 4.2.9 – Pre-Project Hazard Assessment

Refer to Appendix J for vehicular and pedestrian hazard assessment information.

Lindsay Construction's safety department also performs a hazard assessment prior to starting each phase of the project and requires each contractor to submit a hazard assessment for their contracted work.

Section 4.2.10 – Visually Impaired Persons

Braille text will be provided on all Pedestrian Management Plan Renderings signs. This braille text will assist the visually impaired when navigating the sidewalk areas adjacent to construction site. Section 5.3 and Appendix B provide additional information regarding these signs.

Section 4.2.11 – Accessibility

All pedestrian routes shall be barrier-free, utilizing existing curb cuts and sidewalk ramps. Lindsay Construction will ensure all pedestrian routes are kept clean and clear of any obstructions at all times.

Section 5 – Construction Site Protection and Hoarding

Section 5.1 – Site Protection and Hoarding Materials

Section 5.1.1 – Concrete F-Type Barriers

Not required, as we do not intend to encroach on municipal right-of-way for any phase of the project.

Section 5.1.2 – Fencing

For all construction phases, a rigid fence will secure the construction site along with anchored gates for access/egress. The rigid fencing system will be a combination of concrete waste blocks with plywood hoarding on top and anchored rigid metal fencing (all fencing to be minimum 1.8m high). The fencing system will be inspected regularly to ensure integrity and a secure site is maintained. Refer to Appendix A for Site Fencing & Hoarding Plans.

Section 5.1.3 – Translucent Mesh

Areas of fencing that fall within 2m of the right-of-way and do not have plywood hoarding will be covered with a translucent mesh, minimum of 1.8m high. This measure will help control dust and minimize noise.

Section 5.1.4 – Hoarding

A solid plywood hoarding will be designed by a Professional Engineer and mounted on the section of rigid fence/concrete waste blocks adjacent any rock blasting and demolition as required to protect pedestrians from potential blasting and construction debris. All hoardings will be installed in accordance with HRM specifications and guidelines. Refer to Appendix A for Site Fencing & Hoarding Plans.

Section 5.1.5 – Safety Netting System

During the superstructure phase of the project, an engineered safety netting system will be in place on the public right-of-way side of the structures under construction to prevent any materials from blowing or falling into the public right-of-way. The safety netting system will attach to the structures and act as an additional safety barrier to the public.

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Section 5.1.6 – Snow Removal

No snow or ice will be dumped from site onto adjacent properties or the municipal right-of-way; all snow will be trucked off site as required to prevent unsafe build-up of snow piles.

Snow and ice will be removed as required to ensure emergency access is maintained throughout the project to the project site and fire hydrant near civic address 14 Willett Street.

Section 5.1.7 – Site Lines

Rigid fencing and signage will be placed as per the CMP guidelines, as to not impede site lines of vehicular traffic or pedestrians around a corner of an intersection.

Section 5.1.8 – Emergency Access & Egress

The site will be accessed from Willett Street through two twelve-foot anchored gates, this will be the only access/egress location for the site and all deliveries will follow this path. The gates will be locked after work hours to maintain a secure site. During work hours, the gates will be unlocked to allow for quick access/egress in case of an emergency. The two gates will be marked with signage to indicate the Entrance and the Exit.

There's an existing fire hydrant on Willett Street that will remain active and fully accessible during all phases of the project.

Section 5.1.9 – Reinstatement of Public Property

Any damage caused by construction access, damage to sidewalks, curbs, sodding, to the municipal right-of-way will be repaired to HRM standards. No encroachments are intended for the duration of this project. A Tree Protection plan will also be in place to protect any HRM trees from construction activities (see Appendix K). The installation of site services (see Appendix L for site servicing plan) will be completed and municipal ROW will be repaired to HRM standards.

Section 5.2 – Site Protection Aesthetics

Pedestrian Management Plan Renderings (see Section 5.3) will provide public with information related to the project and improve the construction site aesthetic. The project site will be kept clean and tidy, regular inspections will be performed to ensure a clean site is maintained along with adjacent areas to the construction site fencing.

Section 5.3 – Signage

Section 5.3.1 – Project Management Plan Renderings

PMPRs will be located at pedestrian pinch points to give and mounted at locations identified below to provide the public with information of general project details and project contact information. Locations the PMPRs will be mounted are as follows:

a. The second power pole located to the West of the Willett St & Dunbrack St intersection
b. Site fencing West of the Willett St & Dunbrack St Intersection
c. Site Fencing Southwest corner of the Willett St & Dunbrack St intersection
d. Site Fencing South of Willett St & Dunbrack St intersection
e. Light pole North of Dunbrack St & Birkdale Cr intersection
f. Power pole North of Dunbrack & Willett St intersection
g. Power pole East of Willett St & Dunbrack St intersection

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The PMPRs will be printed on sign boards no less than 900mmx600mm and will be in place at least 10 days prior to construction starting. Refer to Appendix B for PMPR.

Section 6 – Lifting, Hoisting and Crane Operations

Section 6.1 – Navigation Canada & Transport Canada regulatory Approvals

The construction project will require two tower cranes located on the project site. The tower cranes will be approximately 80m in height. Nav Canada and Transport Canada will be consulted, and proper crane permits will be obtained. The cranes will be delivered by transport truck and unloaded and setup on the construction site. Traffic Control will be in place to assist with the transport trucking accessing the construction site. No street or sidewalk closures are required for the install or dismantle of the cranes as laydown space is available inside the construction site. Refer to Appendices A & I for Crane Locations & Details.

Section 6.2 – Operations above the Public Realm

During crane lifting operations, loads are never to be suspended over the public right-of-way or neighboring properties. For additional safety of pedestrians and vehicles during the superstructure phase of construction, protection netting will be installed to ensure no debris falls within the public right-of-way.

Section 6.3 – Construction Material & Person Hoists

A construction hoist for material and personnel hoisting will be in place at both towers when the concrete structures are complete. This will allow for efficient and safe material and persons hoisting to complete the construction of the superstructures. The construction hoists will be installed on the exteriors of the towers, opposite side of the public right of way. The installation and use of the construction hoist will be in accordance with all provincial and federal safety regulations.

Section 7 – On-Site Conditions

Section 7.1 – Site Safety and Security

Lindsay Constructions stringent safety program will be in place at all times and must be followed by all contractors and anyone entering the construction site. At a minimum, all provincial & federal safety codes and regulations will always be followed. All persons entering the site will be required to have a site safety orientation provided by Lindsay Construction and must always wear the proper personal protection equipment (PPE).

A qualified person with certified first aid training will be on site at all times during the construction of the project. First aid kits and safety boards and stations will be accessible to everyone on the construction site. Signage noting muster points will also be visible on the construction site. Fire extinguishers and burn kits will be available on site at all times. Safety inspections and reporting will be carried out on a regular basis to ensure all safety elements are available and in place at all times. All visitors will be required to check in on site and go through the site safety training.

Section 7.1.1 – Access & Egress Gates

Signage indicating the “Entrance Gate” and “Exit Gate” will be mounted directly on the gates and easily visible as per the TCPs. Refer to Appendix A.

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Section 7.1.2 – Hazard Warning Signage

Hazard warning signage will be mounted on the gates as well as the site fencing. This signage will warn persons of potential hazards and note PPE is required when entering the site.

Section 7.1.3 – Gate Locking & Site Monitoring

The gates will remain locked when the construction site is not in use. Lindsay Construction will check periodically that the site is secure during Holidays and weekends. The gates will remain closed when not in use during regular working hours. A video surveillance system will be in place during construction to allow for site monitoring and safety.

Section 7.1.4 – Hoarding Signage

"No Trespassing – Construction Personnel Only" signage will be in place on site fencing and hoarding. PPE requirements will be posted on signage.

Section 7.1.5 – Inspection Reports

Inspections of the site fencing, hoarding and gets will be carried out daily and any deficiencies will be corrected immediately. Inspection and maintenance reports will be kept on site.

Section 7.1.6 – Dangerous Activities

Safety of the public and on site workers is of utmost importance through all construction phases of the project. All work will follow Lindsay's Safety program procedures and at a minimum in accordance with Nova Scotia Occupational Health and Safety Act.

Section 7.1.6.1 – Hot Works

Lindsay Constructions safety program details hot works procedures to ensure the safety of persons on and off site. At a minimum, all hot works will be performed at least 3m inside the project site boundary and fire extinguishers and first aid kits will be readily available. Hot works will not occur near heavy equipment or in the travel route of equipment.

Section 7.1.6.2 – On Site Smoking

A designated smoking area will be setup on site, away from all construction activities and personnel. Lindsay Construction and the client remain the right to ban all smoking on the construction site if deemed necessary. No smoking or open flames will be permitted near combustible or explosive materials.

Section 7.1.6.3 – Ignition Source Controls

Any ignition sources will be identified and monitored on the construction site to ensure safety of workers and the public. Material and equipment specifications will be followed during all phases of construction to reduce any risk of ignition.

Section 7.1.6.4 – Storage of Combustible Materials

All materials and equipment will be safely stored on the construction site and protected to avoid any safety concerns. Storage will be in accordance with the product and equipment specifications.

Section 7.1.6.5 – Waste Management Practices

Lindsay Construction will ensure a clean and tidy site is maintained as part of the site safety program. All contractors will be required to clean up at the end of each workday to help maintain a clean and hazard free site. Lindsay Construction will perform daily inspections to ensure a clean and tidy work

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environment. Garbage & recycling facilities will be available on site for personal garbage. Construction debris bins will also be available on site to maintain a clean environment.

Construction debris chutes will be installed on both concrete superstructure towers with debris bins at the bottom. This will allow for safe disposal of construction debris as the superstructure constructions is completed. Each level of the superstructure will have access to the debris chute for safe debris disposal. This measure will help ensure a clean work environment.

Section 7.1.7 – Emergency Contact Information

Emergency contact information will be posted on PMPRs around the perimeter of the site and adjacent to the site. Refer to Section 5.3.

Section 7.1.8 – Smoking Area

A designated smoking area with visible signage will be setup on site away from neighboring properties and the public right of way. The smoking area will not interfere with construction activities or personnel on site. The designated smoking area will be in accordance with the Nuisance

Section 7.1.9 – Fire Suppression System

There is a fire hydrant located in front of the construction site on Willett Street that will remain in place and unobstructed during all phases of construction. The fire hydrant will be accessible at all times and protected from construction activities.

Section 7.2 – Material Handling, Loading/Unloading, Delivery, and Vehicle Staging

All site deliveries, loading/unloading will be completed within the construction site. For large 18-wheeler deliveries, traffic control will be in place to assist the trucks entering and exiting the site. The Haul Route Plan shows the routes for trucks travelling to and from the project site. Refer to Section 4.1.9.

Referring to The HRM Traffic Control Manual Supplement, the following conditions apply:

- Willett St from Dunbrack St to Rosedale Ave : Peak Hour Restricted
- Willett St from Lacewood Dr to Dunbrack St: Maintain Two Lanes at all Times
- Dunbrack St from Kearney Lake Rd to North West Arm Dr: Maintain Two Lanes at All Times & Peak Hour Restricted

Therefore, for Peak Hour Restricted routes, deliveries will be scheduled between 9:00am-4:00pm to avoid traffic disruptions in the community.

All materials will be stored on site in a safe manner, protected from the weather elements. Any loose materials will be tied down and stored properly to ensure no safety hazards to the public or workers on site.

Section 7.3 – Environmental Controls

Section 7.3.1 – Street & Right-of-Way Cleaning

Streets around the construction site will be swept and kept clean of any construction dust or debris as required. Sidewalks will also be swept and kept clean from any construction duct or debris and inspected on a daily basis.

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Section 7.3.2 – Stormwater Management and Runoff Pollution

An engineered sedimentation and erosion control plan will be in place to prevent sediment from entering all adjacent catch basins. In accordance with HRM bylaw W-101, a silt fence system will be installed, along with sediment traps in existing catch basins, and gravel pads at site entrance and exit locations to prevent soil from being tracked off site. The erosion and sedimentation control plan devices will be cleaned and maintained regularly.

A stormwater management plan designed by a civil engineer will be in place and in accordance with HRM bylaw W-101 when dewatering the construction site. Water will be directed to a low point (typically, the elevator pit) to allow sediments to settle out prior to pumping directly into a catch basin that also has a sediment trap for added protection.

Section 7.3.3 – Noise Pollution

HRM Noise Bylaw (N-200) will be followed at all times during all phases of the project. No work will take place outside the hours noted in Section 2 of this report.

Section 7.3.4 – Dust Pollution

As noted in Section 5.1.3, translucent mesh will cover all rigid fencing that is within 2m of the public ROW. The mesh will be at least 1.8m high, to help protect the public ROW from construction dust.

Additional dust control measures will be in place, as follows:

a. Site access/exit locations will regularly be maintained with new gravel to prevent tracking dust and debris off site
b. Sediment traps will be installed in all adjacent catch basins
c. Adjacent streets and sidewalks will be swept clean regularly
d. On dry days, water will be sprayed on the site regularly to avoid airborne dust
e. The superstructure will be swept clean regularly to avoid dust/debris blowing from the structure

Section 7.3.5 – Emissions Control

All vehicles engines on site will be turned off, unless otherwise needed for construction activities. No idling will be allowed on the construction site, this will help reduce exhaust emissions. No idling signage will be posted and easily visible when entering the construction site.

Section 7.3.6 – Rodent Control

A certified rodent control company has been engaged at 210 & 214 Willett Street. Terminix has been in business for 90+ years and is certified by the Canadian Pest Management Association (CPMA) and the National Pest Management Association (NPMA). With the known increase of rodent movement during construction activities, Terminix prepared a rodent control plan for construction which includes monthly and weekly inspections as required leading up to the start of demolition (14 days prior to demolition) and will continue as necessary during construction to prevent movement of rodents to adjacent properties. The RCP consists of baiting and monitoring program as per the NPMA standards for commercial spaces. Thirteen external tamper resistant bait stations will be placed around the perimeter of the property, inspected weekly until demolition is complete. Monthly inspections will continue for the remainder of the construction. Copies of all reports will be kept electronically and readily available upon request.

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Refer to Appendix F for templates for future reporting, product specifications, Terminix company bio, and trap placement plan.

Section 7.3.6.1 – Rodent Control Safety Considerations

Terminix is dedicated to the safety of the public and will ensure there is no risk to the public when implementing the RCP. No snap traps will be used, and trap size will be small as to prevent children and small pets accessing the inside of the traps and also the traps will be tamper proof. Bait traps will be secured as to not be easily overturned or moved, and opaque to avoid unsightly views inside the traps.

Section 7.3.6.4 – Project Closure

When the project is complete, Terminix will collect and properly dispose of all traps, bait, and carcasses. Terminix will provide a final report confirming project closeout and HRM will be notified.

Section 7.3.7 – Light Pollution

Any project site lighting required within the construction zone will be a maximum of 3m above the highest elevation of the structure or excavation and will be directed inwards toward the property.

Section 7.3.8 – Utility Services

Heritage Gas has been contacted and confirmed gas has been disconnected form the current structures. Heritage Gas has received a copy of the current design documents and has been in contact with the Mechanical Consultant to review the design. NSPI has been contacted and attended a project stratup meeting to review temporary power requirements, disconnects/removals and start planning for the new service.

Section 8 – Community Engagement & Notification

Section 8.1 – Pre-CMP Community Engagement

The prime consultant (ZZap Architecture & Planning) under the direction of the client (Hazelview Investments) has been in contact with the local councilor to provide details of the proposed project. The councilor will remain engaged throughout the design and construction of the development and act as a main point of contact for the community. The community engagement requirements have been fulfilled for this application. The owner (Hazelview Investments) will implement a website for further project information and details relating to the development. The website will be listed on project signage.

The goal is to work closely with the public to keep the community informed about the project, construction activities and to answer any questions or concerns the public may have.

Project contact information will be visible on PMPRs mounted around the construction site as noted in the PMPs (Appendix A) during all phases of the project.

A project brochure was delivered to the surrounding residents providing a description and anticipated schedule for the project. Contact information was provided in the brochure, so residents could follow up with questions or concerns, and a record of all communication with the public is being kept. See Appendix M for Project Brochure.

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Section 8.2 – Schedules Community Notifications

The project website will provide updates on construction activities and overall brief development updates to the community. Important information regarding construction activities that may affect the community will be published on the website. Refer to Appendix E for a sample Project Update Letter.

Section 8.3 – Closure Notifications Requirements

HRM will be notified in accordance with the HRM Traffic Control Manual Supplement of any street closures or public service interruptions. HRM will be notified at least 10 days in advance with a request for a street closure, no street closures will take place until approved by HRM. The public will be notified at least 5 days prior to the disruption and notifications will be hand delivered. A list of all effectively notified property owners will be kept and available to HRM. Refer to Appendix D for a Draft Notification Letter.

Section 9 – Permit & Notification Requirements

A pre-construction meeting will be coordinated at least 10 days prior to the start of construction activities to review the CMP on site with the following attendees:

1. Construction Manager Representative (Lindsay Construction)
2. An Owner Representative (Hazelview Investments)
3. HRM Representative
4. Halifax Water Representative
5. Utility Companies Representatives
6. Community Councilor

Section 10 – Regulation & Enforcement

Section 10.1 – Inspection & Monitoring

Lindsay Construction will ensure the CMP is implemented at all times during construction and monitor on a daily basis to ensure proper procedures are being followed. Any deficiencies to the CMP will be corrected immediately and any changes will follow the HRM CMP change request process noted in Section 1 using the CMP Change Request Form in Appendix G. Changes to the CMP will not be implemented until approved by HRM.

Section 11 – Summary

The purpose of the CMP is to mitigate negative impacts to the community, pedestrians, and traffic surrounding the development site and during all phases of the project. The CMP will be used in conjunction with provincial, federal and Lindsay Constructions regulations to carry out a safe and effective construction project.

Refer to Section 1.2 for all project contact details if you have any further questions or comments. Janna Boutilier, P.Eng at Lindsay Construction prepared the CMP document and can be contacted at any time to discuss details relating to the project or CMP.

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Appendices

Appendix A –CMP Drawings

Site Fencing & Hoarding Plan – All Phases

Site Logistics Plan

Pedestrian Management Plan – All Phases

Traffic Control Plan – All Phases

Pedestrian Management Plan – Deliveries

Traffic Control Plan - Deliveries

Haul Route Plan – All Phases

Services Installation Traffic Control Plan

Services Installation Pedestrian Management Plan

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Appendices

Appendix A –CMP Drawings

Site Fencing & Hoarding Plan – All Phases

Site Logistics Plan

Pedestrian Management Plan – All Phases

Traffic Control Plan – All Phases

Pedestrian Management Plan – Deliveries

Traffic Control Plan - Deliveries

Haul Route Plan – All Phases

Services Installation Traffic Control Plan

Services Installation Pedestrian Management Plan

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SITE FENCING & HOARDING PLAN - ALL PHASES

NAD-83 (CSRS) 2010.0 3° MTM
CENTRAL MERIDIAN 64° 30'

Mesh to be installed on section of rigid metal fence

Two 12' Anchored Gates

Concrete Waste Blocks w/ plywood hoarding on top (total height of 1.8m)

Existing fence to remain

New anchored rigid metal fence

BLOCK J-2
PID 41258955

BLOCK PT
PID 40090086
10,714.0 Sq. Metres±
1.07 Hectares

BLOCK PR
PID 40375776
6,162.9 Sq. Metress±
0.62 Hectares

CIVIC #210
(MEASUREMENTS TO BRICK SIDING)

CIVIC #214
(MEASUREMENTS TO BRICK SIDING)

WILLETT STREET
(24.384 m WIDE ASPHALT ROAD)

DUNBRACK STREET
ASPHALT ROAD WIDTH VARIES

PARKING GARAGE
N: 4946687.060m
E: 25567285.641m
EL: 98.456m
PNL 1002

N: 4946678.627m
E: 25567305.441m
EL: 98.466m
PNL 1004

N: 4946668.089m
E: 25567239.162m
EL: 97.984m
PNL 1007

ASPHALT PARKING AREA

GAZEBO

FLOWER BED

CONCRETE WALKWAY

STEPS

BUFFER ZONE

BELL ALIANT CABINENT ON CONCRETE PAD

BUS SHELTER

EASEMENT PT-E
UTILITY EASEMENT

POLE LINE EASEMENT

PRIVATE RIGHT OF WAY EASEMENT

EASEMENT A
RIGHT OF WAY EASEMENT

EASEMENT B
SERVICE EASEMENT

CONCRETE SIDEWALK

CONCRETE CURB

CONCRETE BUS STOP PAD

CROSSWALK

METAL FENCE

WOODEN FENCE

N69°53'45"W 24.704m

N10°38'30"E 9.269m

N69°53'45"W 1.524m

N77°46'30"E 33.930m

N65°51'00"W 11.582m

N26°54'00"W 9.754m

N70°38'00"E 22.860m

N19°22'00"W 6.096m

N70°38'00"E 6.096m

N19°22'00"W 20.085m

N70°38'00"E 16.459m

N19°22'00"W 79.843m

N69°42'26"E 37.148m

N88°17'34"W 35.610m

N69°53'45"W 3.048m

N20°08'15"E 32.004m

N20°08'15"E 15.240m

N20°08'15"E 85.140m

N69°08'15"E 53.486m

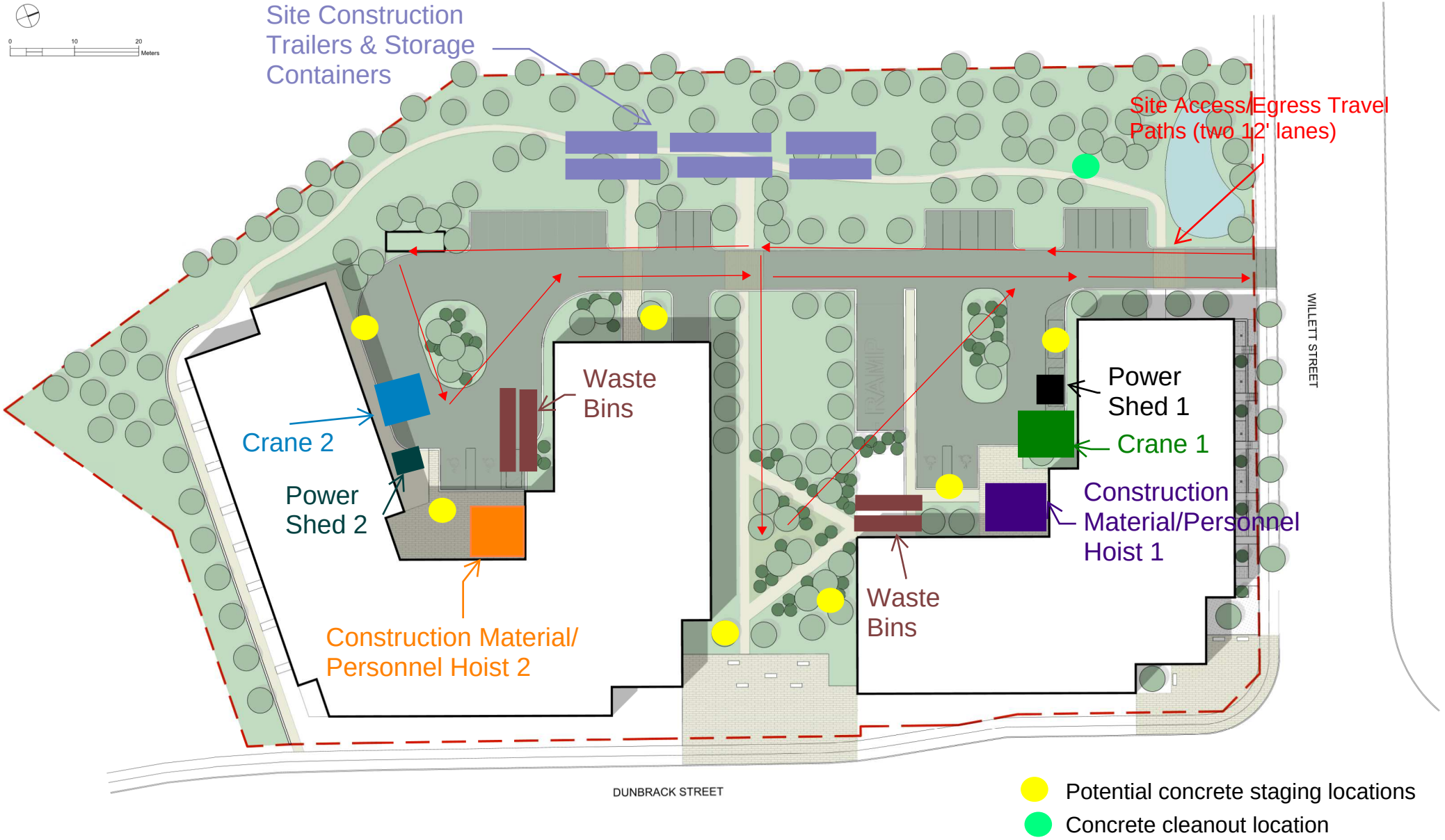
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N69°53'45"W 1.524m

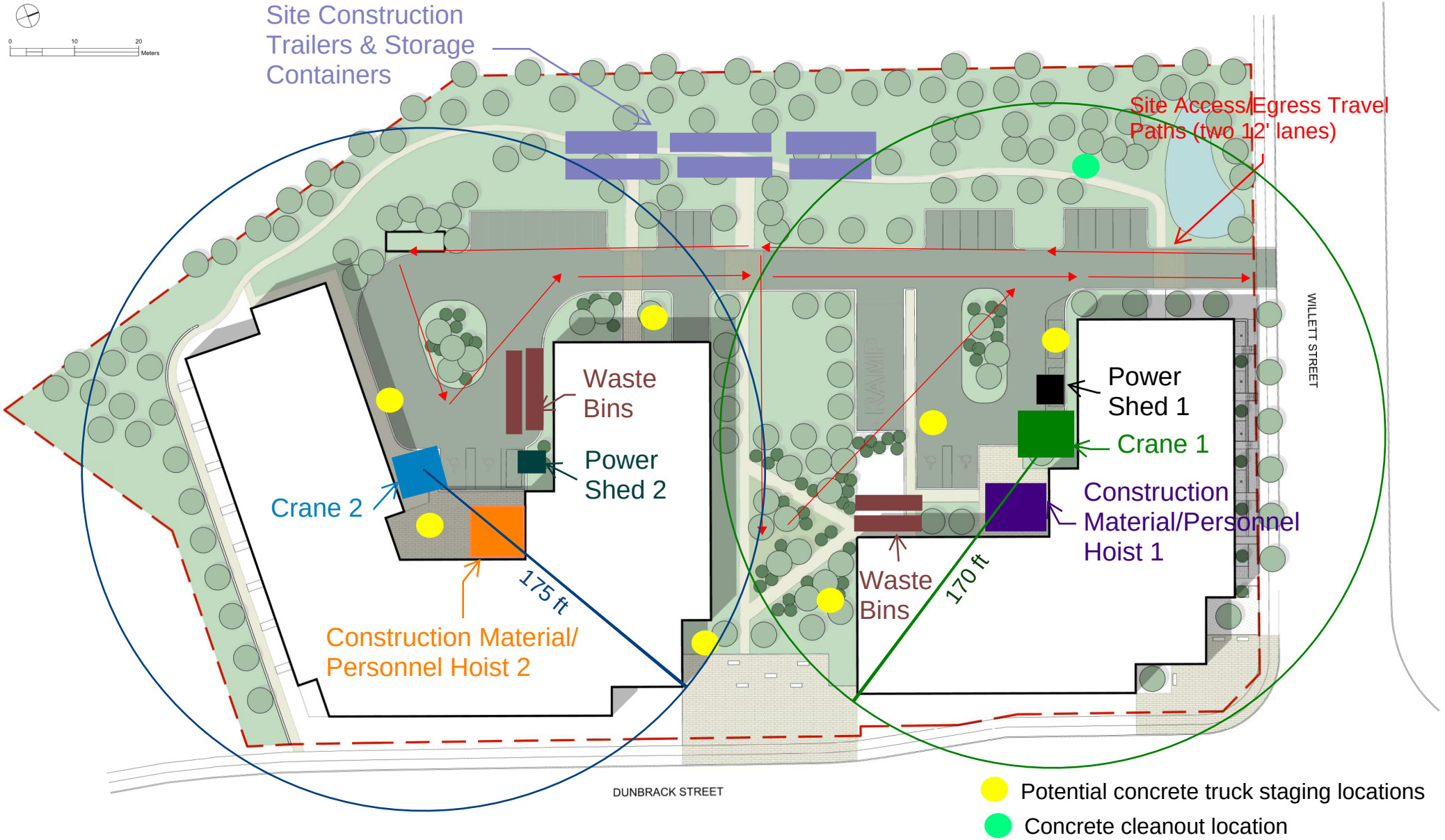
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Site Logistics Plan



Site Logistics Plan



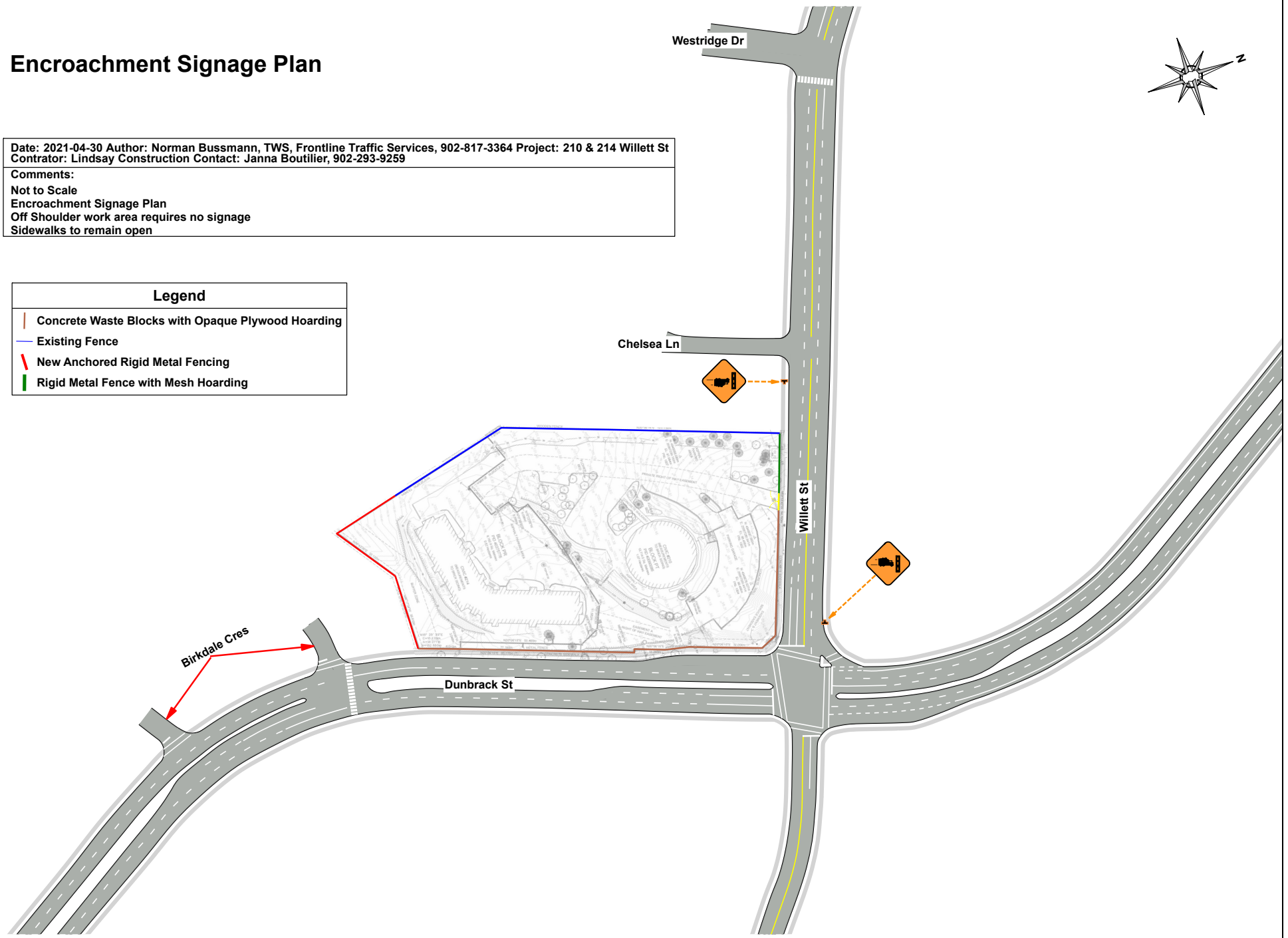
www.invarion.com

Encroachment Signage Plan

Date: 2021-04-30 Author: Norman Bussmann, TWS, Frontline Traffic Services, 902-817-3364 Project: 210 & 214 Willett St Contrator: Lindsay Construction Contact: Janna Boutilier, 902-293-9259
Comments: Not to Scale Encroachment Signage Plan Off Shoulder work area requires no signage Sidewalks to remain open

Legend

- Concrete Waste Blocks with Opaque Plywood Hoarding
- Existing Fence
- New Anchored Rigid Metal Fencing
- Rigid Metal Fence with Mesh Hoarding



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Haul Route Plan

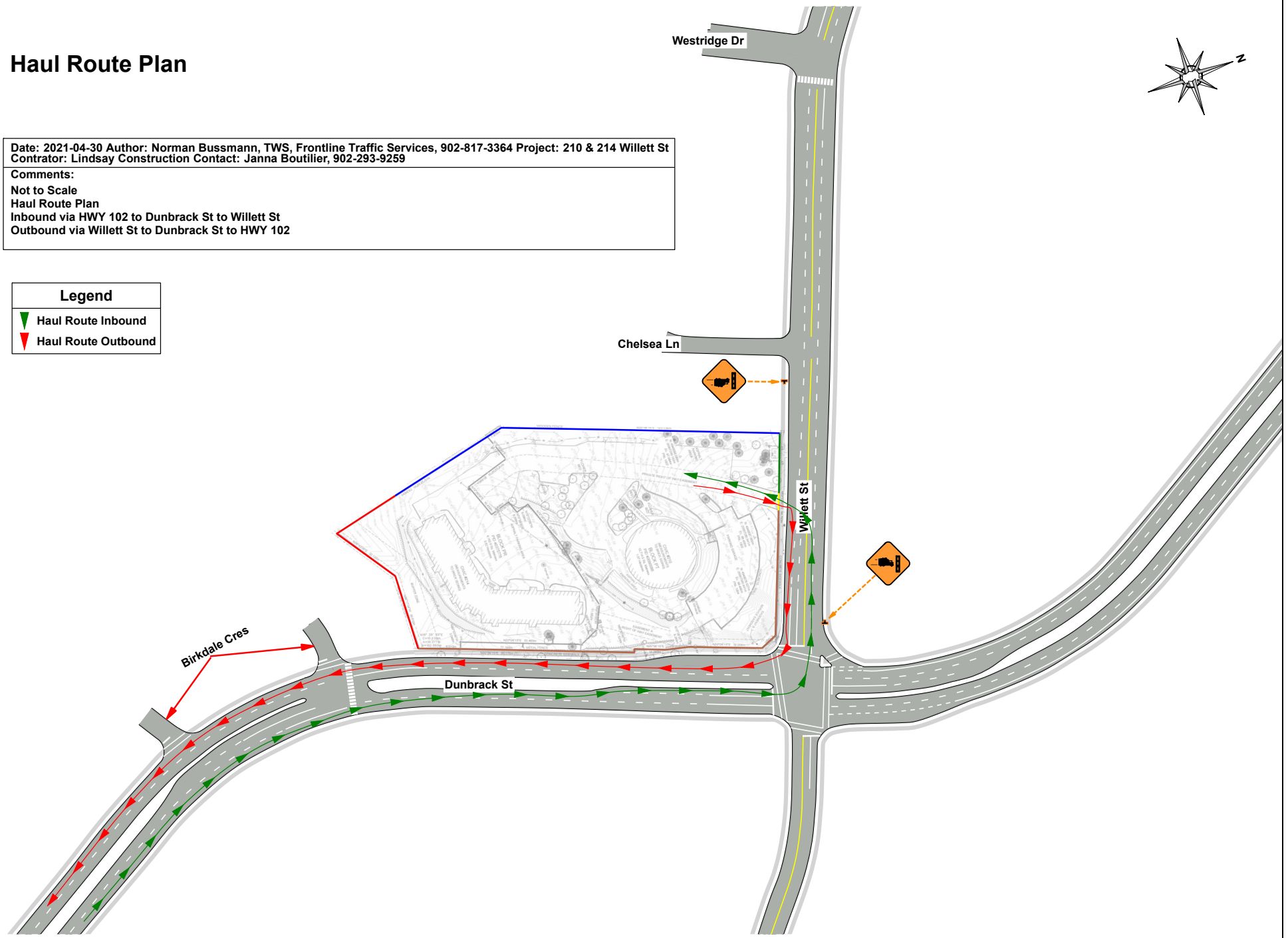
Date: 2021-04-30 Author: Norman Bussmann, TWS, Frontline Traffic Services, 902-817-3364 Project: 210 & 214 Willett St
Contrator: Lindsay Construction Contact: Janna Boutilier, 902-293-9259

Comments:

Not to Scale
Haul Route Plan
Inbound via HWY 102 to Dunbrack St to Willett St
Outbound via Willett St to Dunbrack St to HWY 102

Legend

- Haul Route Inbound
- Haul Route Outbound



Page 1

Water Service Laterals Installation Plan Phase 1

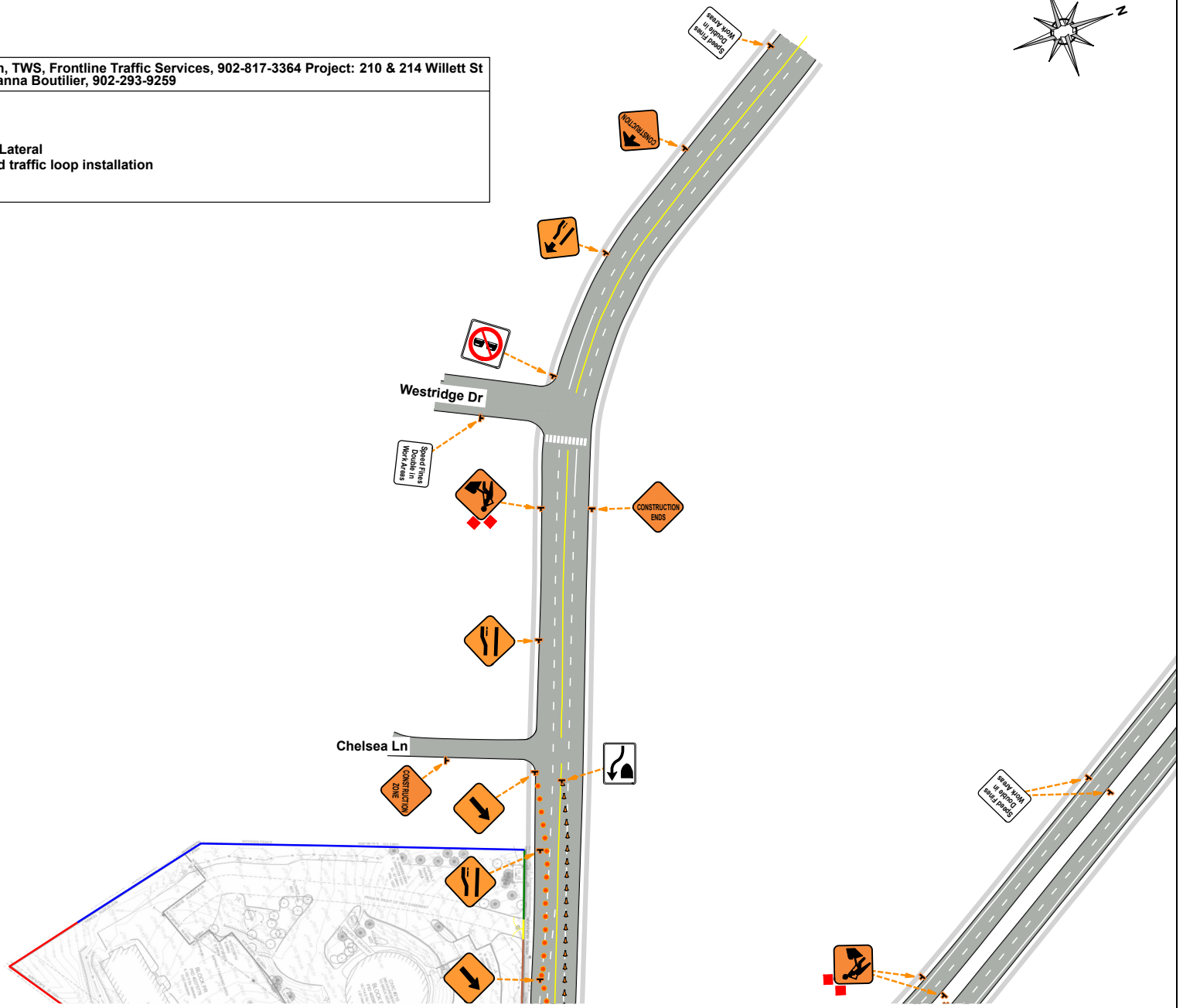
Date: 2021-04-30 Author: Norman Bussmann, TWS, Frontline Traffic Services, 902-817-3364 Project: 210 & 214 Willett St
Contrator: Lindsay Construction Contact: Janna Boutilier, 902-293-9259

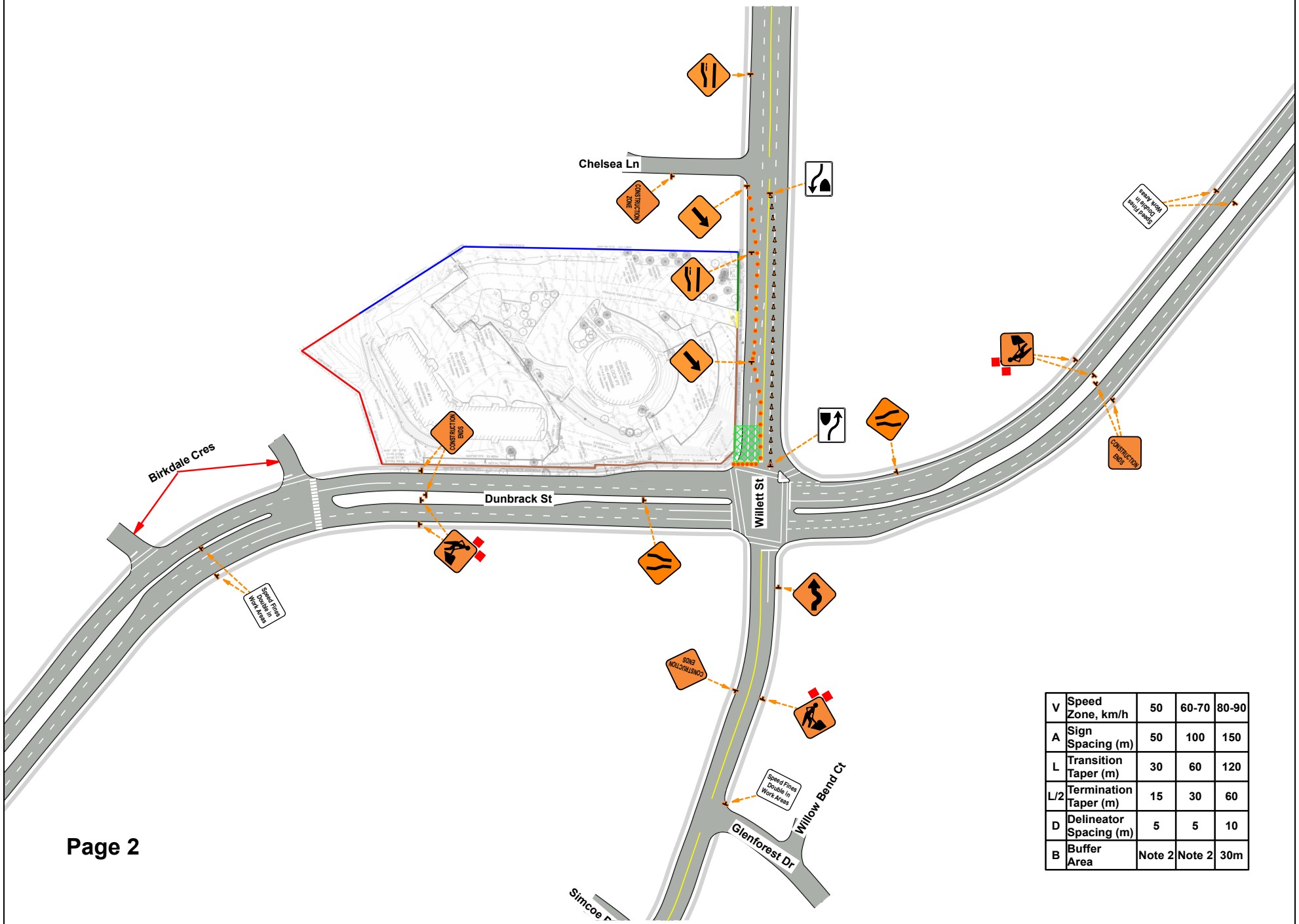
Comments:

Not to Scale
Application Guides A63R, C48
Traffic Control Plan for Installation of Water Lateral
This plan should also be used for paving and traffic loop installation
See Willett PMP for sidewalk closure details

Legend

- Barrel
- Cone
- Work Area





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

Water Service Laterals Installation Plan Phase 2

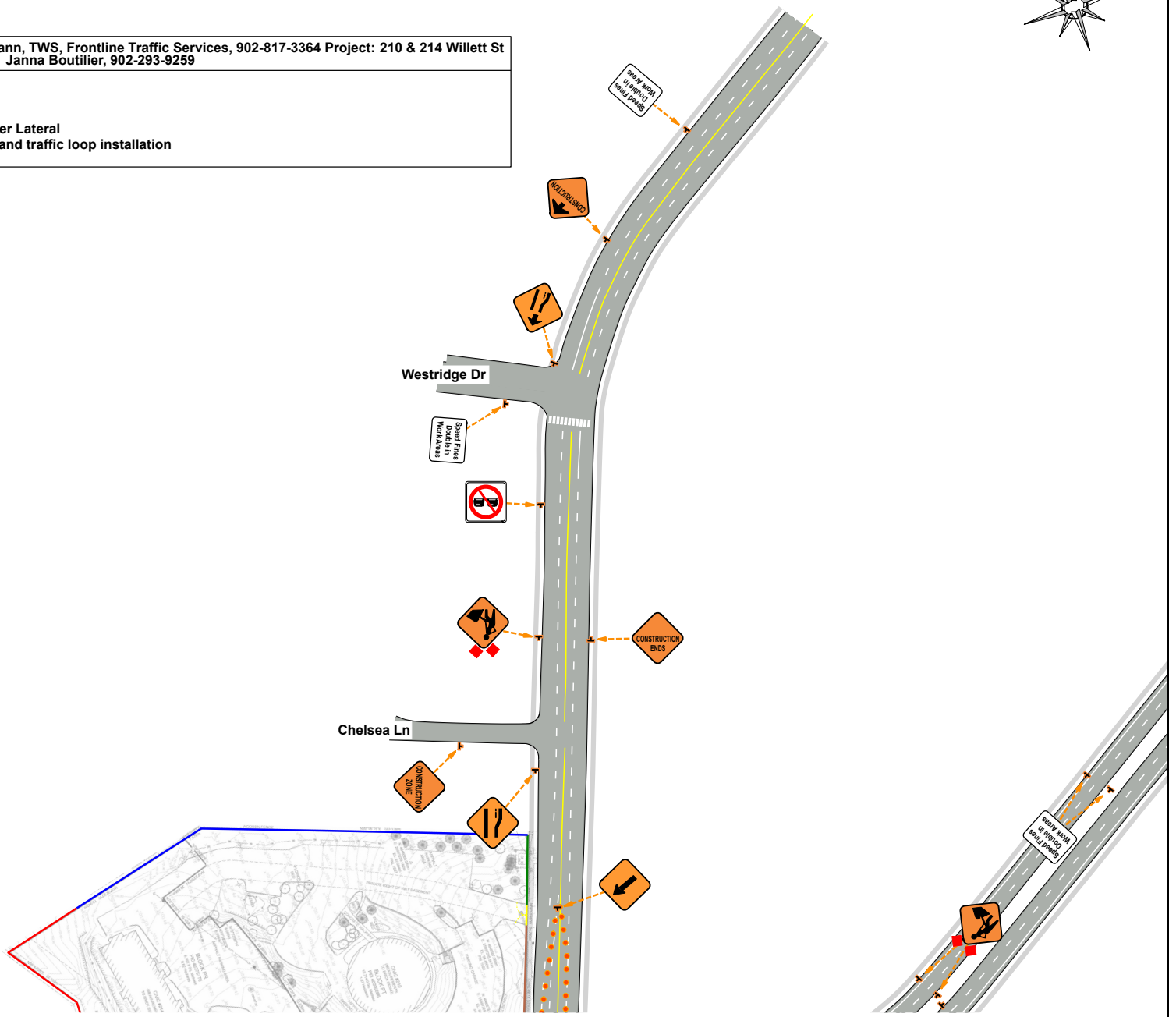
Date: 2021-04-30 Author: Norman Bussmann, TWS, Frontline Traffic Services, 902-817-3364 Project: 210 & 214 Willett St
Contrator: Lindsay Construction Contact: Janna Boutilier, 902-293-9259

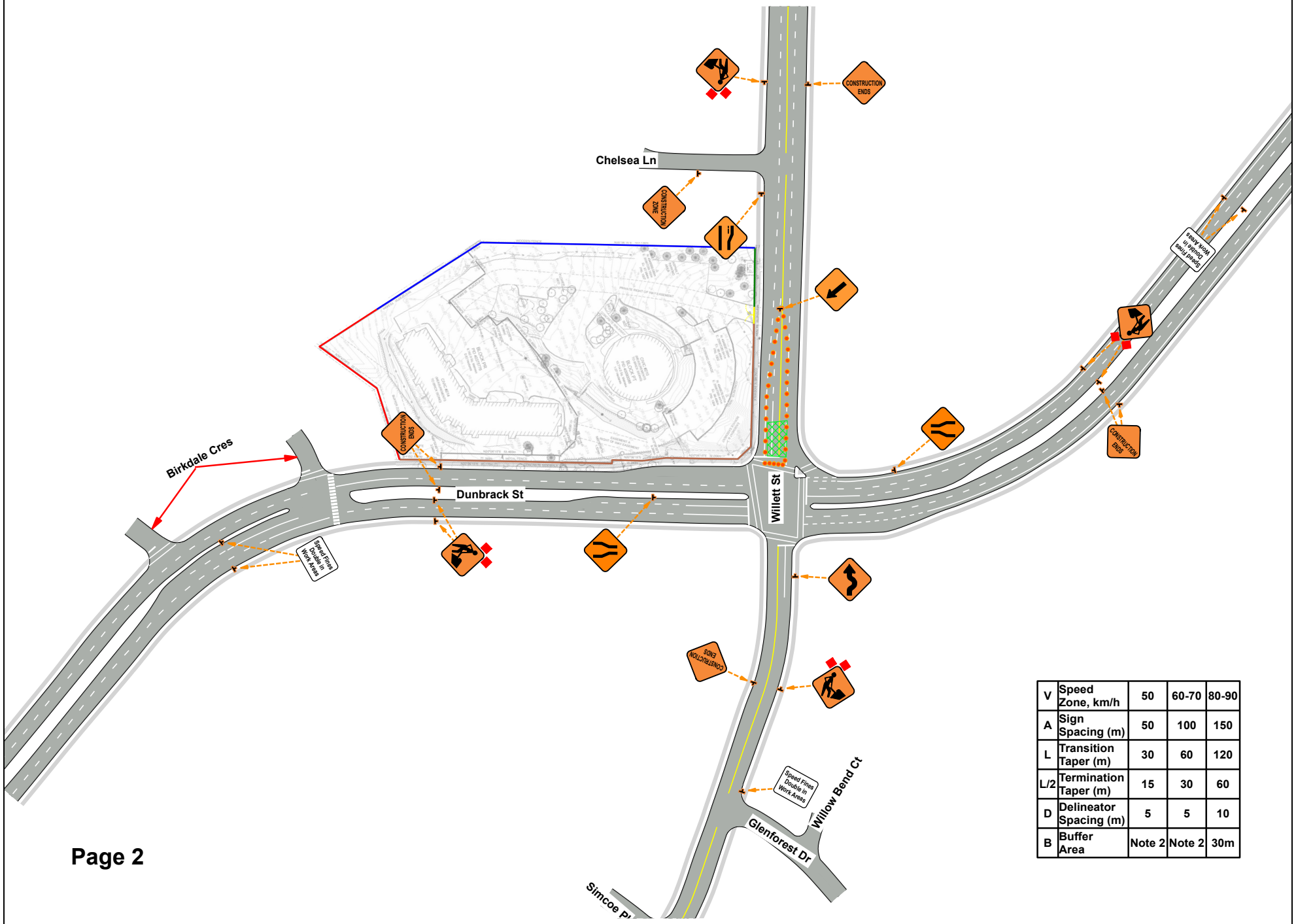
Comments:

Not to Scale
Application Guides A63R, C48
Traffic Control Plan for Installation of Water Lateral
This plan should also be used for paving and traffic loop installation

Legend

- Barrel
- Cone
- Work Area





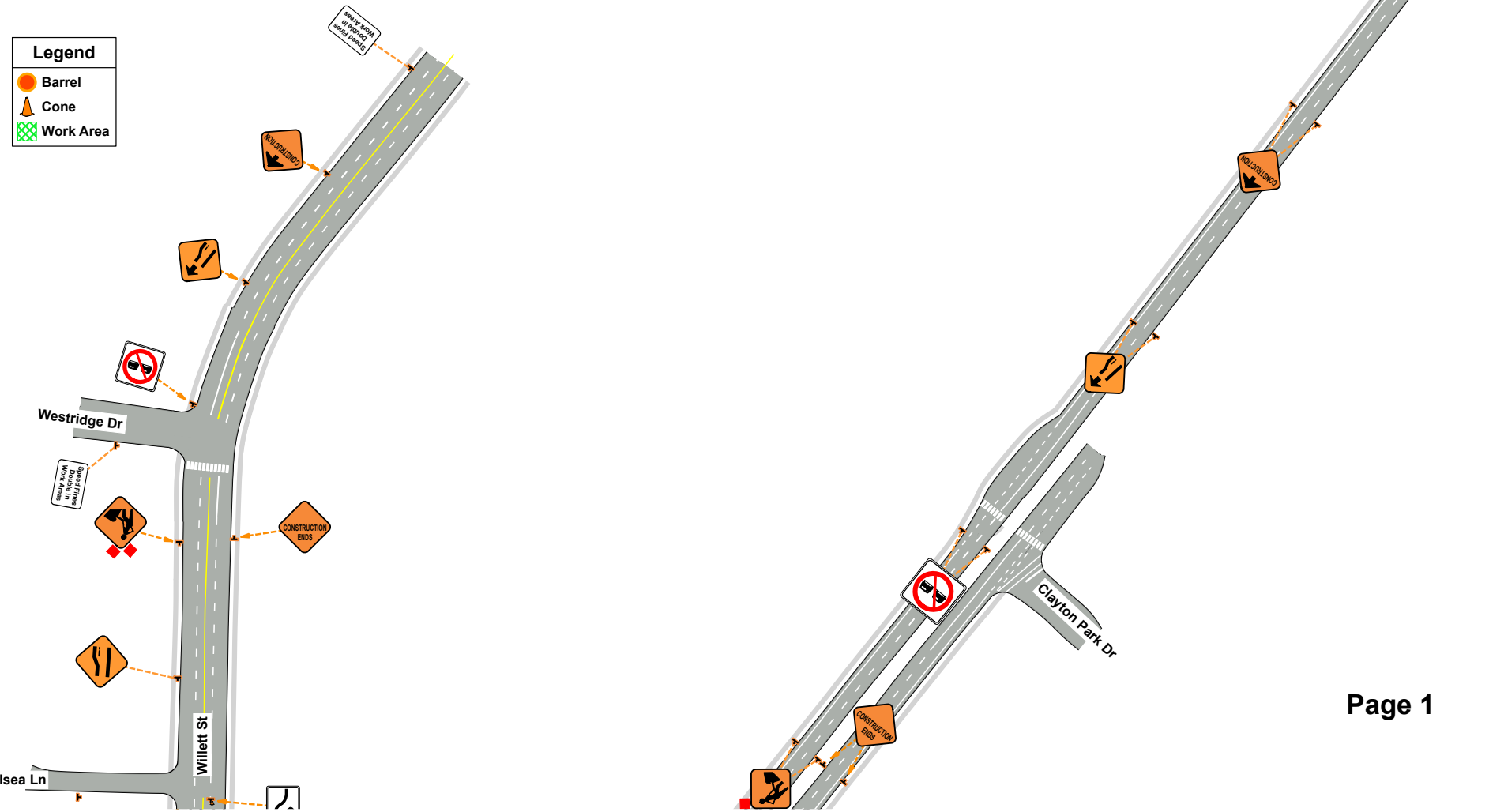
V	Speed Zone, km/h	50	60-70	80-90
A	Sign Spacing (m)	50	100	150
L	Transition Taper (m)	30	60	120
L/2	Termination Taper (m)	15	30	60
D	Delineator Spacing (m)	5	5	10
B	Buffer Area	Note 2	Note 2	30m

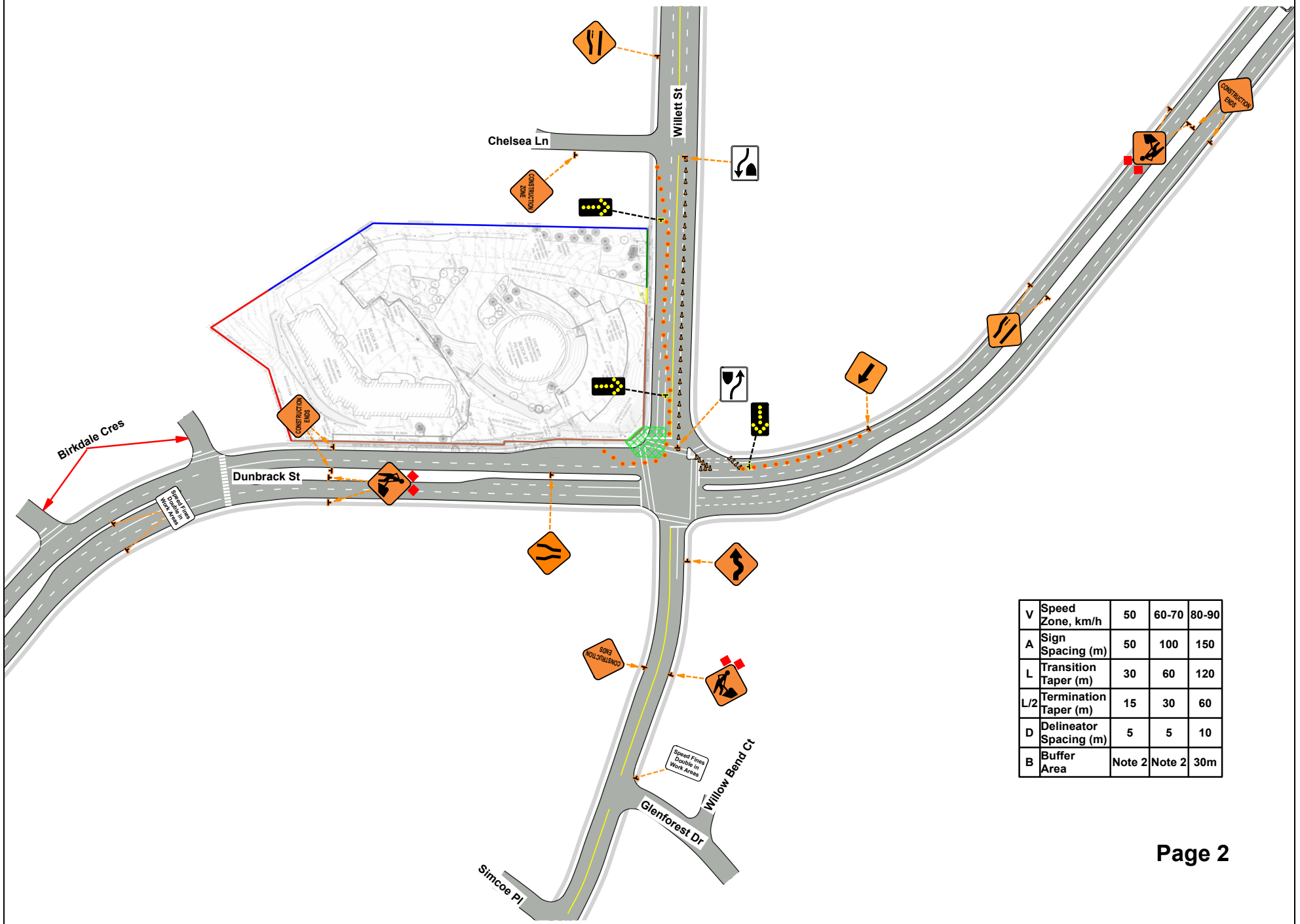
Storm and Sanitary Service Laterals Installation Plan Phase 1

Date: 2021-04-30 Author: Norman Bussmann, TWS, Frontline Traffic Services, 902-817-3364 Project: 210 & 214 Willett St
Contrator: Lindsay Construction Contact: Janna Boutilier, 902-293-9259

Comments:

Not to Scale
Application Guides A63R, C48
Traffic Control Plan for Installation of Storm and Sanitary Laterals
This plan should also be used for paving and traffic loop installation
See Pedestrian Management Plan 3 for sidewalk closure details

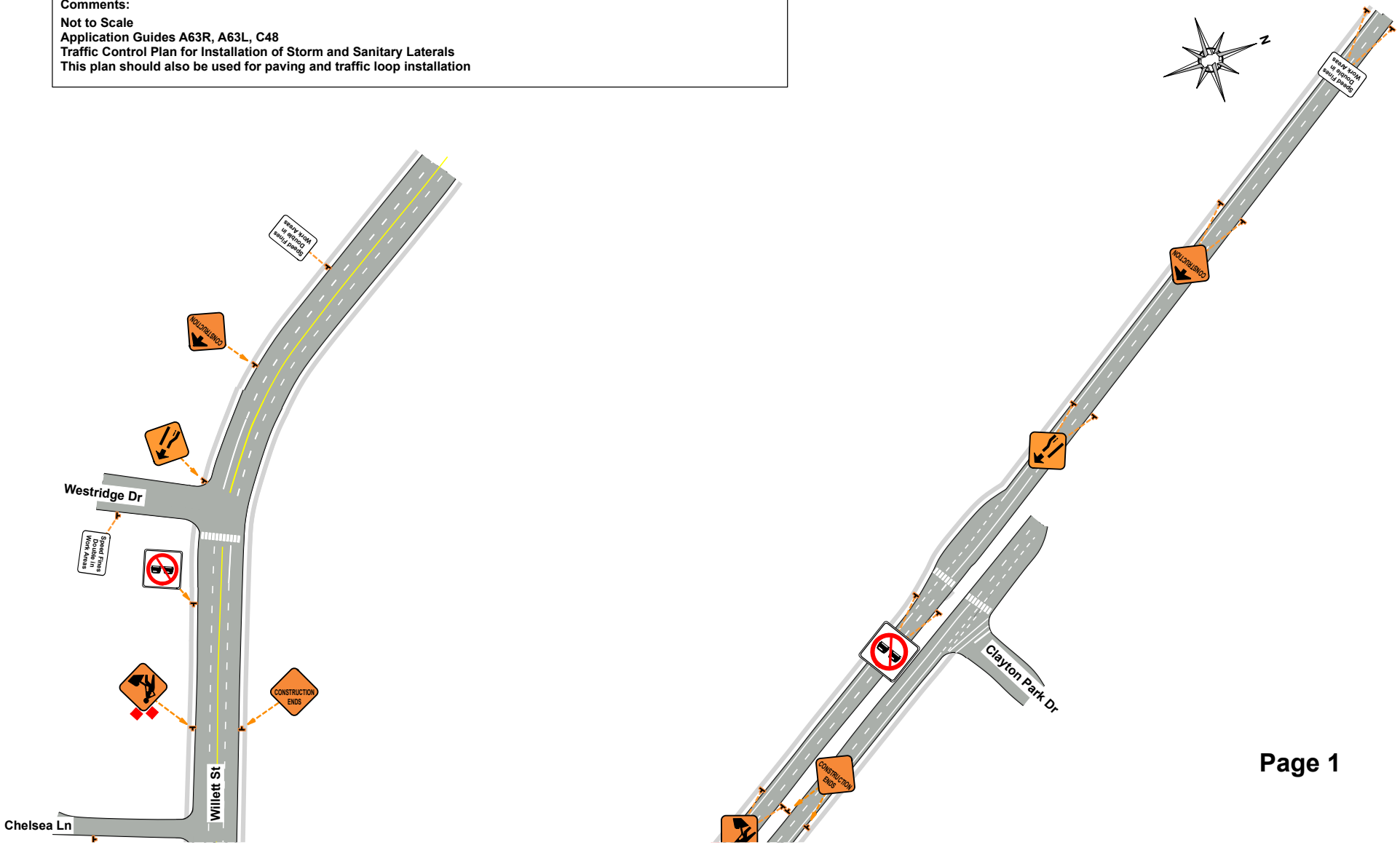


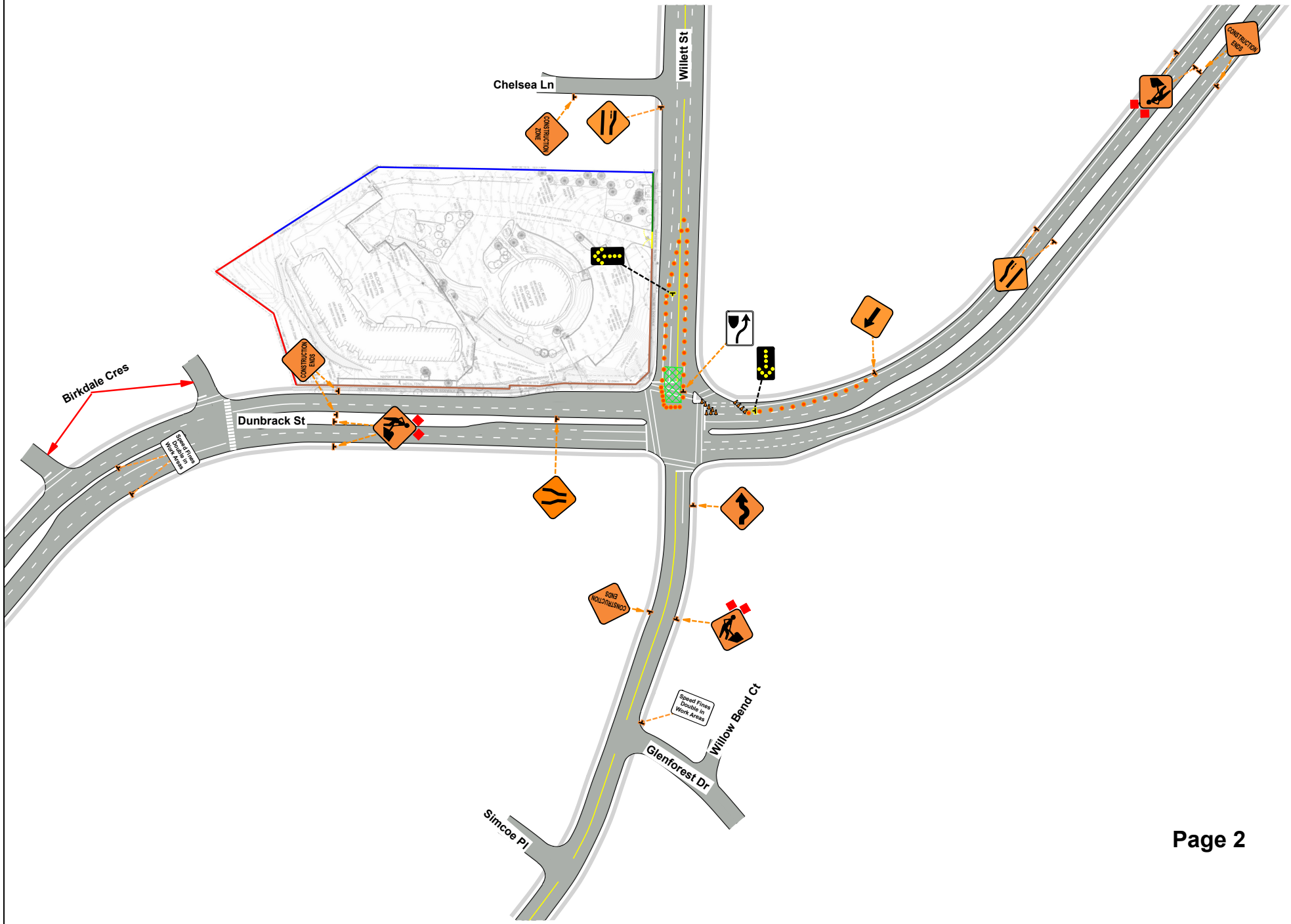


V	Speed Zone, km/h	50	60-70	80-90
A	Sign Spacing (m)	50	100	150
L	Transition Taper (m)	30	60	120
L/2	Termination Taper (m)	15	30	60
D	Delineator Spacing (m)	5	5	10
B	Buffer Area	Note 2	Note 2	30m

Storm and Sanitary Service Laterals Installation Plan Phase 2

Date: 2021-04-30 Author: Norman Bussmann, TWS, Frontline Traffic Services, 902-817-3364 Project: 210 & 214 Willett St Contrator: Lindsay Construction Contact: Janna Boutilier, 902-293-9259
Comments:
Not to Scale Application Guides A63R, A63L, C48 Traffic Control Plan for Installation of Storm and Sanitary Laterals This plan should also be used for paving and traffic loop installation




Willett St
Chelsea Ln
CONSTRUCTION ZONE
CONSTRUCTION ENDS
Birkdale Cres
Dunbrack St
Speed Fines Double In Work Areas
Willow Bend Ct
Glenforest Dr
Simcoe Pl

www.invarion.com

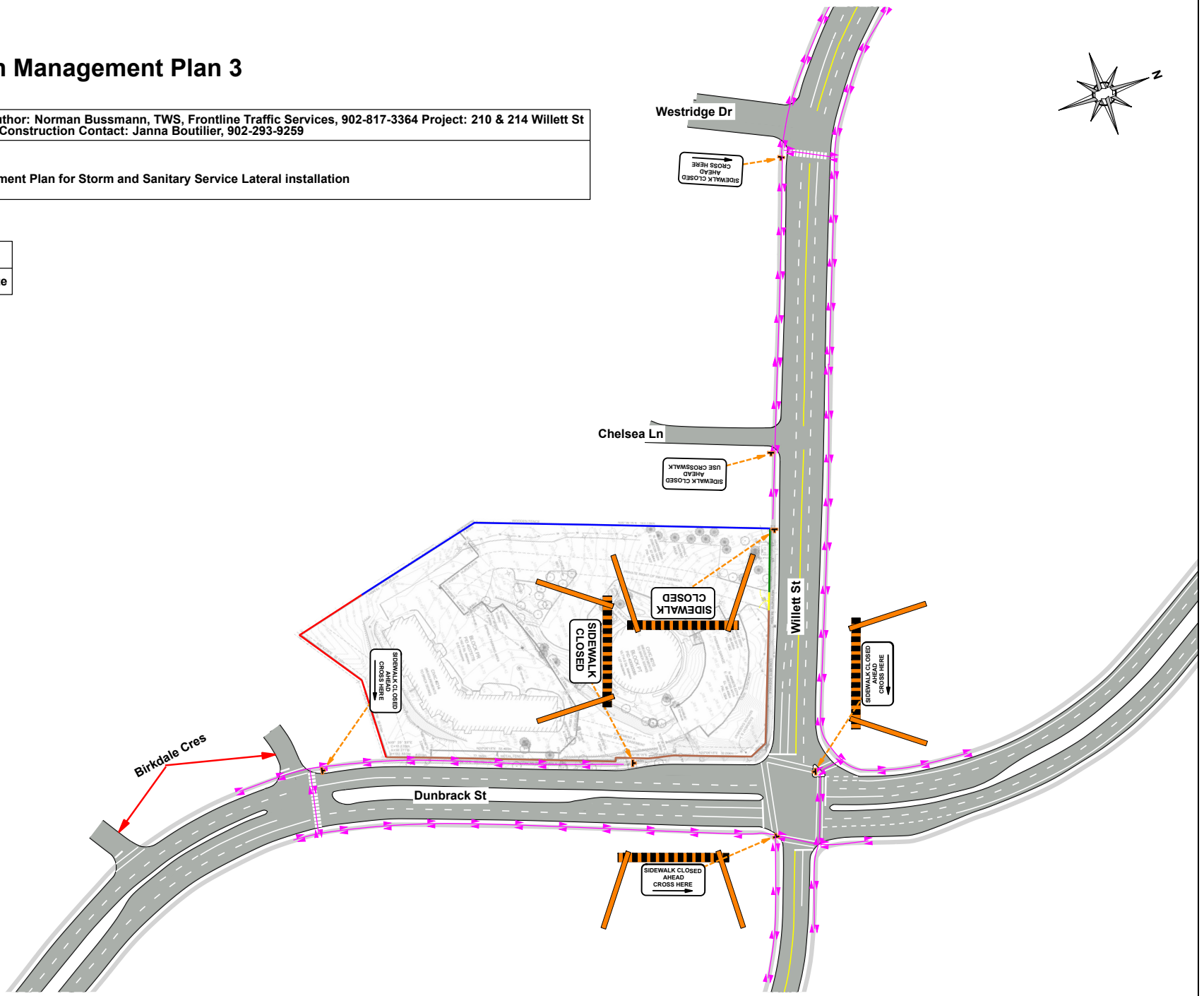
Pedestrian Management Plan 3

Date: 2021-04-30 Author: Norman Bussmann, TWS, Frontline Traffic Services, 902-817-3364 Project: 210 & 214 Willett St
Contrator: Lindsay Construction Contact: Janna Boutilier, 902-293-9259

Comments:

Not to Scale
Pedestrian Management Plan for Storm and Sanitary Service Lateral installation

Legend
Pedestrian Route



www.invarion.com

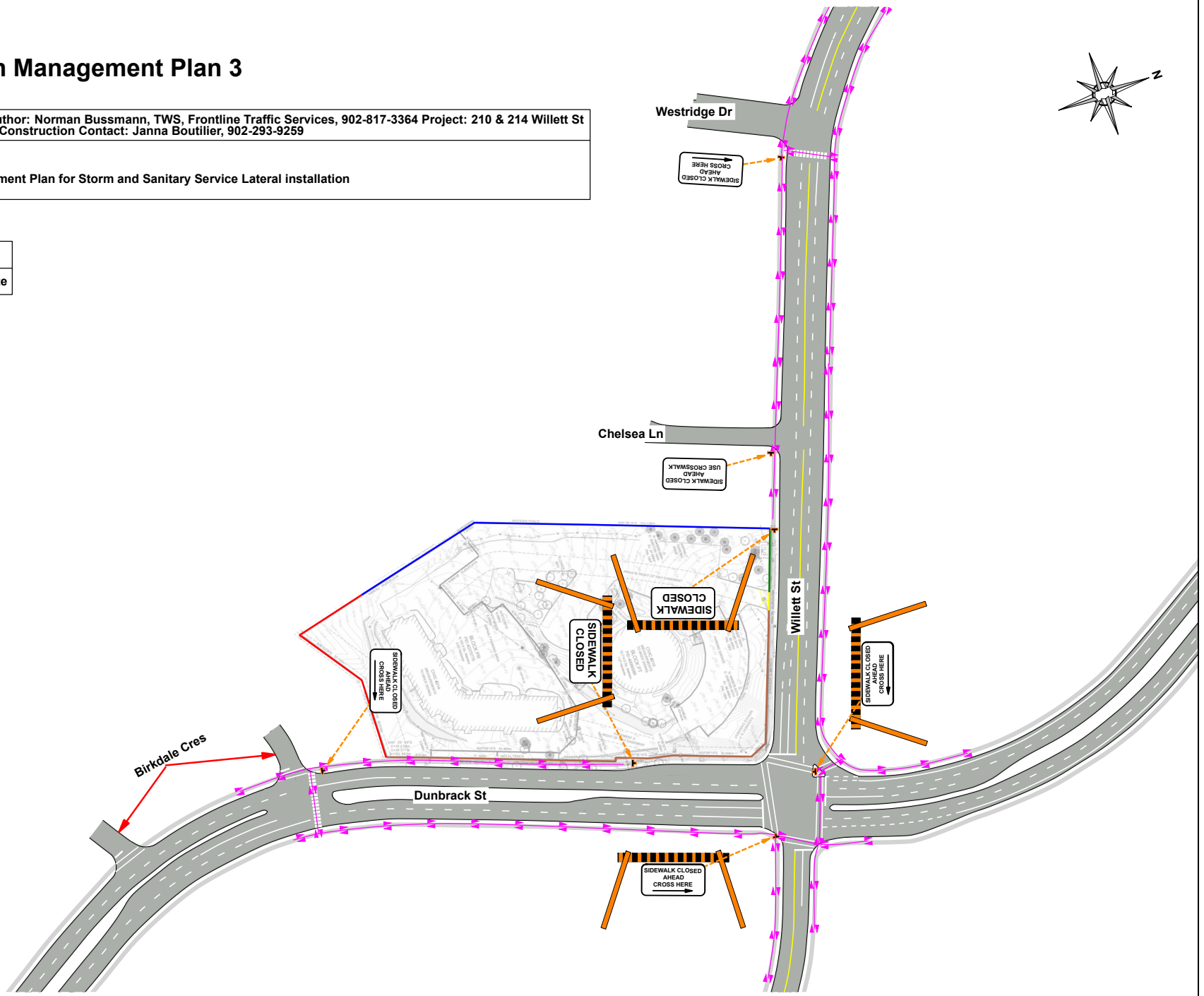
Pedestrian Management Plan 3

Date: 2021-04-30 Author: Norman Bussmann, TWS, Frontline Traffic Services, 902-817-3364 Project: 210 & 214 Willett St
Contrator: Lindsay Construction Contact: Janna Boutilier, 902-293-9259

Comments:

Not to Scale
Pedestrian Management Plan for Storm and Sanitary Service Lateral installation

Legend
Pedestrian Route



Appendix B – Pedestrian Management Plan Rendering

Pedestrian management Plan Rendering – All Phases

NOVA SCOTIA | HEAD OFFICE
105-134 Eileen Stubbs Avenue,
Dartmouth, Nova Scotia B3B 0A9
T 902.468.5000 | **F** 902.468.6615



NOVA SCOTIA | HEAD OFFICE
105-134 Eileen Stubbs Avenue,
Dartmouth, Nova Scotia B3B 0A9
T 902.468.5000 | **F** 902.468.6615

Appendix C – Development Information Sign

NOVA SCOTIA | HEAD OFFICE
105-134 Eileen Stubbs Avenue,
Dartmouth, Nova Scotia B3B 0A9
T 902.468.5000 | **F** 902.468.6615



NOVA SCOTIA | HEAD OFFICE
105-134 Eileen Stubbs Avenue,
Dartmouth, Nova Scotia B3B 0A9
T 902.468.5000 | **F** 902.468.6615

Appendix D – Draft Notification Letter

NOVA SCOTIA | HEAD OFFICE
105-134 Eileen Stubbs Avenue,
Dartmouth, Nova Scotia B3B 0A9
T 902.468.5000 | **F** 902.468.6615



HAZELVIEW DEVELOPMENT BUILDING

DRAFT NOTIFICATION LETTER

Hazelview Investments
1133 Yonge St, 4th Floor
Toronto, ON M4T 2Y7
416-624-8667
Contact: Aimee Grigg

5/18/2021

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

This is to inform you that to facilitate construction operations in association with the Hazelview Development Building project, Utility Disruptions will occur on April 1, 2025, with an anticipated duration of 30 days. The street will be temporarily closed to traffic during this time.

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

CONTACT INFORMATION:

General Contractor: Lindsay Construction
Contact: Janna Boutilier
Ph: 902-293-9259

Our company has been retained by Hazelview Investments as the Construction Manager to complete work on the Willett St development. Should any questions arise throughout construction, please feel free to contact the undersigned.

Yours Truly,
Lindsay Construction

Janna Boutilier
Project Manager

Appendix E –Project Update Letter

NOVA SCOTIA | HEAD OFFICE
105-134 Eileen Stubbs Avenue,
Dartmouth, Nova Scotia B3B 0A9
T 902.468.5000 | **F** 902.468.6615



HAZELVIEW DEVELOPMENT BUILDING

DRAFT PROJECT UPDATE LETTER

Hazelview Investments
1133 Yonge St, 4th Floor
Toronto, ON M4T 2Y7
416-624-8667
Contact: Aimee Grigg

5/18/2021

This is to inform you that construction will begin next month for the Hazelview Development Building project. The rodent control program and site fencing will begin June 21, 2021. Demolition will begin July 2021.

No street or service disruptions are expected at this time.

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

CONTACT INFORMATION:

General Contractor:	Lindsay Construction Contact: Janna Boutilier Ph: 902-293-9259

Our company has been retained by Hazelview Investments as the general contractor to complete work on the Hazelview Building development. Should any questions arise throughout construction, please feel free to contact the undersigned.

Yours Truly,
Lindsay Construction

Janna Boutilier
Project Manager

Appendix F – Rodent Control Specifications & Templates

Weekly Record Log

Monthly Activity Log

Trap Setup Locations

Company Profile

Bait Trap Specifications

NOVA SCOTIA | HEAD OFFICE
105-134 Eileen Stubbs Avenue,
Dartmouth, Nova Scotia B3B 0A9
T 902.468.5000 | **F** 902.468.6615

Location of Inspection	
Name:	
Address:	
City:	Prov: NS
Phone Number:	

Device	Location	Checked	Observation

2011-4281
2012-01-24

CONTRAC BLOX

KILLS RATS & MICE

SOLID
Kills Warfarin Resistant Norway Rats

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

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

COMMERCIAL

WARNING  POISON

GUARANTEE
Bromadiolone.....0.005%
Contains Denatonium Benzoate
Warning, contains the allergens wheat, soya lecithin.
Contains malathion at 0.01% and calcium propionate at 0.377% as preservatives.

READ THE LABEL BEFORE USING
(see back panel for additional precautionary statements)

KEEP OUT OF REACH OF CHILDREN

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

NET CONTENTS: 8.18 kg (18 lb.)

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

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

****

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.

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

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

FIRST AID:
If in eyes: hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.
If on skin or clothing: take off contam inated clothing. Rinse skin immediately with plenty of water for 15–20 m inutes. Call a po ison control centre or doctor for treatment advice.
If swallowed, call a poison control centre or doctor imm ediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.
For all cases of human ingestion, immediately notify a physician or poison control centre. If a pet or livestock poisoning is suspected, immediately contack a veterinarian. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Vitamin K_1 in the f orm of intr amuscular o r subcutaneous injections, or by oral ingestion are suggested remedial treatments for anticoagulant poisoning. The severity of the case measured by establishing prolonged prothrombin tim es (P.T.) will determine appropriate therapy. Monitoring P.T. will indicate the necessity of repeated treatments.

ENVIRONMENTAL HAZARDS: This prod uct is tox ic to f ish and wildlife. Keep out of lakes, streams or ponds.

DIRECTIONS FOR USE: Use bait to contro l the Norway rat (*Rattus norvegicus*), Roof rat (*Rattus rattus*), and House mouse (*Mus musculus*) indoors and outdoors within 15 metres of buildings (dwellings, farm buildi ngs, food service establishments (non-food areas), granary bins (empty), processing plants (feed, food, in non-food areas) and storage areas (non-food)). Rodenticide bait can be pl aced in tamper-resistant bait stations along the fence line of properties, outside of the 15-m etre lim it but within 100 metres of buildings, if the station is securely fastened e.g. nailed down) to the fence or the ground.
Food Processing, Food Manufacturing, Food Storage and Food Service Areas:
For areas not directly relate d to food processing: Use only in non-food or non-feed area where feed, food, packaging and handling equipment are never opened or exposed. For areas where feed or food is processed, served, or stored: In meat and food processing plants (processing areas), use only when plant is not in operation. Remove or cover all food, packaging m aterial and utensils before placing bait in baiting stations. Remove all baits and dead rodents before reuse of the plant (processin g areas include storage and

service). Users should rem ove clothing imm ediately if pesticide gets inside. Then wash skin thoroughly and put on clean clothing

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

Bait sta tions **(tier 3)** used for the placement of r odenticide bait indoors, in locations not accessible to pets or livestock must have the following characteristics: (1) be constru cted of high-strength m aterial (e.g., metal or injection molded plastic) and resistant to destruction by children: (2) have an entrance designed so that children cannot reach the bait; (3) have internal structure which prevents bait from being shaken loose; (4) have an access pan el that fasten s securely an d locks (e .g., m etal screw or padlock); and (5) bear the product na me, active ingredient, guarantee, registration number, "WARNING POISON", and the skull and crossbones symbol.

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

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

Bait station s **(tier 1)** u sed outdoors, above-g round, in locations accessible to children, pets and non-target wildlife m ust have the fo llowing characteristics, in addition to those outlined above for tier 2 and 3 bait stations: (1) be resis tant to destru ction or weakening by elements of typical non-catastrophic weather (such as, snow, rain, extremes of temperature and humidity, direct sunshine, etc.).

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

APPLICATION DIRECTIONS:
RATS: Place 3 to 16 pieces of CONTRAC BLOX at in tervals of 4.5 to 9 metres per placement. Maintain an uninterrupted supply of fresh bait for 10 days o r until signs of rat activity cease.
HOUSE MICE: Place one piece of CONTRAC BLOX at intervals of 2.5 to 3.5 metres per placement. Two pieces m ay be needed at points of high mouse activity. Maintain an uninterrupted supply of fresh bait for 15 days or until signs of mouse activity cease.
RATS AND MICE: Replace contaminated or spoiled bait immediatly To prevent reinfestation, elim inate food, water, and harbor age as m uch as possible. If reinfestation does occur, repeat treatment. Where a continuous source of infestation is present, establish ermanent bait stations and replenish bait as needed.

DISPOSAL: Do not reuse empty container. Dispose of unused or spoiled bait in accordance with lo cal requirem ents. Follow provincial in structions for any required cleaning of the con tainer prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accord ance with provincial requirem ents. For more inform ation on the disposal of unused, unwanted product and cleanup of spills, contact the provincial regulatory agency or the Manufacturer.
Rodent Disposal: Dispose of dead rodents in garbage or by burying.

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

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

010711

Bell LABORATORIES, INC.	PROTECTA® BAIT STATIONS		
SAFETY DATA SHEET	**ACCORDING TO REGULATION:** OSHA Hazard Communication Standard 29 CFR 1910.1200	**DATE OF ISSUE:** January 2016	**PREPARED BY:** CAR

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: PROTECTA® BAIT STATIONS
EPA Registration Number: NA
Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: Rodent Bait Containment Device - Ready to use
Uses advised against: Use only for the purpose described above

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

SECTION 2. HAZARDS IDENTIFICATION

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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

SECTION 4. FIRST AID MEASURES

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

SECTION 5. FIRE-FIGHTING MEASURES

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

SECTION 6. ACCIDENTAL RELEASE MEASURES

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

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling: Do not use near heat sources, open flame, or hot surfaces. Non-Toxic
Conditions for safe storage, including any incompatibilities: None. Non-Toxic

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Established Limits

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

Appropriate Engineering Controls: None. Non-Toxic
Occupational exposure limits: None. Non-Toxic
Personal Protective Equipment:
Respiratory protection: Not required
Eye protection: Not required
Skin protection: None. Non-Toxic
Hygiene recommendations: None. Non-Toxic

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance/Color:	Varies
Odor:	None
Odor Threshold:	Not applicable
pH:	Not applicable
Melting point:	Not applicable
Boiling point:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable
Flammability:	Not applicable
Upper/lower flammability or explosive limits:	Not applicable
Vapor Pressure:	Not applicable
Vapor Density:	Not applicable
Relative Density:	Not applicable
Solubility (water):	Not applicable
Solubility (solvents):	Not applicable
Partition coefficient: n-octanol/water:	Not applicable
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not applicable
Viscosity:	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not Applicable
Chemical stability: Not Applicable
Possibility of hazardous reactions: Refer to Hazardous decomposition products
Conditions to avoid: Avoid extreme temperatures (below 0°C or above 40°C).
Incompatible materials: Not Applicable
Hazardous decomposition products: Not Applicable

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects
Acute Toxicity
LD50, oral (ingestion): Not Toxic
LD50, dermal (skin contact): Not Toxic
LC50, inhalation: Not Toxic
Skin corrosion/irritation: Not Toxic
Serious eye damage/Irritation: Not Toxic.
Respiratory or skin sensitization: Not Toxic
Germ cell mutagenicity: Not Toxic

Carcinogenicity: Not Toxic

Components	NTP	IARC	OSHA
None	NA	NA	NA

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

SECTION 12. ECOLOGICAL INFORMATION

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

SECTION 13. DISPOSAL CONSIDERATIONS

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

SECTION 14. TRANSPORT INFORMATION

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

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: Not applicable
Signal Word: None
Precautionary Statements: None
Potential Health Effects:
Eye Contact: Not applicable
Skin Contact: Not applicable
Ingestion: Not applicable

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: 0 (will not burn)	Reactivity: 0 (stable)	Specific Hazard: None
HMIS	Health: 0 (Not Toxic)	Flammability: 0 (minimal)	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.

Blocs tous temps *CONTRAC*®

Fiche signalétique
Date de publication: Janvier 2015

SECTION 1 – IDENTIFICATION DU PRODUIT CHIMIQUE ET DU FABRICANT

Nom du fabricant :	**BELL LABORATORIES, INC.** 3699 Kinsman Blvd. Madison, WI 53704 États-Unis		
N° de téléphone du fabricant :	608 241-0202	**N° de téléphone d'urgence :**	952-852-4636
Nom du produit : BLOCS TOUS TEMPS CONTRAC® (commercial)		**Usage du produit :** Rodenticide anticoagulant	**Formulation :** Appât sec formulé
Classification du SIMDUT : Ce produit n'est pas réglementé en vertu du SIMDUT.		**N° d'homologation, *Loi sur les produits antiparasitaires* :** 22239	

SECTION 2 – INGRÉDIENTS DANGEREUX

Identité :	**% en masse :**	**Autres renseignements :**
Bromadiolone (N° CAS 28772-56-7)	0,005 %	Sans objet

Les autres ingrédients non identifiés ne sont pas considérés dangereux.

SECTION 3 – CARACTÉRISTIQUES PHYSIQUES

État physique : Bloc polygonal	**Couleur :** Bleu	**Odeur :** Douce, de grain	**Point d'ébullition :** Sans objet
Point de fusion : Sans objet	**Point de congélation :** Sans objet	**Pression de vapeur :** Sans objet	**Vitesse d'évaporation (eau = 1) :** > 1,0
Densité de vapeur (air = 1) : > 1,0	**Masse volumique en vrac :** Sans objet	**Densité :** 0,629 g/mL	**Solubilité :** Insoluble dans l'eau
pH : Sans objet	**Coeff. de rép. eau/huile :** Sans objet	**Odeur min. identifiable :** Non déterminée	**Sensibilité au choc :** Aucune

SECTION 4 – RISQUES D'INCENDIE OU D'EXPLOSION

Inflammabilité : Oui [ ] Non [X] – Non combustible	**Moyens d'extinction :** Entourer le feu d'eau, de mousse ou de gaz inerte.
Point d'éclair (méthode) : Non inflammable	**Règles à observer dans la lutte contre les feux spéciaux :** Les pompiers doivent porter des vêtements de protection et un appareil respiratoire autonome.
Température d'auto-inflammation : Sans objet	**Limites d'explosivité (% en volume) :** **Supérieure :** Sans objet **Inférieure :** Sans objet

Produits de combustion dangereux : Oxydes de carbone et gaz irritants	**Sensibilité au choc :** Non sensible	**Sensibilité à la décharge d'électricité statique :** Non sensible

SECTION 5 – RÉACTIVITÉ

Stabilité chimique : Oui [X] Non [ ] – Stable	**Matières incompatibles :** Éviter le contact avec les matières fortement alcalines.
Conditions de réactivité : Sans objet	**Produits de décomposition dangereux :** Sans objet

SECTION 6 – PROPRIÉTÉS TOXICOLOGIQUES (RISQUES POUR LA SANTÉ)

Voies de pénétration :	[X] – Ingestion	[ ] – Absorption par la peau	[ ] – Contact avec les yeux
	[ ] – Inhalation aiguë	[ ] – Inhalation chronique	[ ] – Contact avec la peau

Effets de l'exposition aiguë :

Nausées, vomissements, perte d'appétit, soif extrême, léthargie, diarrhée, hémorragie

Effets de l'exposition chronique :

La matière active de ce produit se bioaccumule dans le sang après une exposition prolongée ou répétée.

Dose létale et concentration (espèce et voie) :	**Caractère irritant (lapin) :**	**Matières synergiques :**
DL 50 : > 5000 mg/kg (rat, orale) **CL 50 :** Sans objet	Non irritant	Sans objet

Limites d'exposition : **MPT** = Non assignée **LECT** = Non assignée **DIVS** = Non assigné

Pouvoir sensibilisant :	**Cancérogénicité :**	**Effets sur la reproduction :**
Non sensibilisant	Aucune preuve	Aucune preuve

SECTION 7 – MESURES PRÉVENTIVES

Matériel de protection individuelle :

Porter des gants en caoutchouc quand on manipule l'appât.

Mesures d'ingénierie :

On n'en a pas besoin.

Consignes de manutention et d'entreposage :

Observer les pratiques normales d'hygiène et d'entretien. Conserver au sec, à la température ambiante. Éviter l'exposition prolongée à la lumière et à l'humidité. Tenir le contenant bien fermé quand il ne sert pas. Éloigner des enfants et des aliments.

Élimination :

Éliminer les déchets sur place ou à une installation d'élimination des déchets approuvée, conformément à la réglementation applicable. Éviter de contaminer les eaux de surface lors de l'utilisation ou de l'élimination.

Mesures à prendre en cas de fuite ou de déversement :

Balayer le produit déversé et le mettre dans un contenant étiqueté en vue de son élimination ou de sa réutilisation.

Renseignements spéciaux en matière d'expédition :

Non dangereux en vertu de la *Loi sur le transport des marchandises dangereuses.*

SECTION 8 – PREMIERS SOINS

Ingestion :

Appeler un médecin ou un centre antipoison, ou faire le numéro de téléphone d'urgence, et ce, immédiatement. Ne rien donner par la bouche et ne pas faire vomir, sauf instruction contraire du médecin.

Contact avec les yeux :

Rincer les yeux et le dessous des paupières avec beaucoup d'eau fraîche pendant 15 minutes. En cas d'irritation, consulter un médecin.

Contact avec la peau :

Se laver la peau et les mains au savon et à l'eau.

Inhalation :

Sans objet

Avis au médecin :

En cas d'ingestion, ce produit peut réduire la coagulabilité du sang et causer une hémorragie. Traiter comme en cas de surdose de dicoumarol.

Antidote :

Administrer de la vitamine K_1 (phytonadione) par voie intramusculaire ou orale. En réadministrer au besoin, selon le temps de prothrombine.

SECTION 9 – ÉTABLISSEMENT DE LA FICHE

Établie par :	**Date d'établissement :**	**N° de téléphone :**
Bell Laboratories, Inc. (PSM/CAR)	Janvier 2015	608 241-0202

Les renseignements ci-dessus ne sont donnés qu'à titre d'indication sur la manipulation du produit et ont été établis par du personnel ayant des connaissances techniques. Ils ne sont pas complets, et la manière dont on utilise et manipule le produit et les conditions dans lesquelles on le fait peuvent comporter d'autres considérations. Bell Laboratories, Inc., n'offre aucune garantie — ni expresse, ni implicite — et ne sera pas responsable des pertes, des blessures ni des dommages qui pourraient résulter de l'utilisation des renseignements ci-dessus. C'est à l'utilisateur qu'il incombe de s'assurer qu'il a les derniers renseignements sur le produit selon l'usage qu'il veut en faire. La présente fiche signalétique est valide pendant trois ans à partir de sa date d'établissement.

CONTRAC® All-Weather Blox

Material Safety Data Sheet
DATE ISSUED: January 2015

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company Name:	**BELL LABORATORIES, INC.** 3699 Kinsman Blvd. Madison, WI 53704 U.S.A.		
Company Phone No.:	(608) 241-0202	**Emergency Phone No.:**	952-852-4636
Product Name: CONTRAC® ALL-WEATHER BLOX (Commercial)		**Product Use:** Anticoagulant Rodenticide	**Formulation:** Formulated Dry Bait
WHMIS Classification: This product is not regulated under WHMIS.		**Pest Control Products (PCP) Registration No.:** 22239	

SECTION 2 - HAZARDOUS INGREDIENTS

Identity:	**Typical % w/w:**	**Other Information:**
Bromadiolone (CAS No. 28772-56-7)	0.005%	Not Applicable

Other ingredients not identified are not considered hazardous

SECTION 3 - PHYSICAL DATA

Physical State: Polygonal Block	**Colour:** Blue	**Odour:** Sweet, Grain-like	**Boiling Point:** Not Applicable
Melting Point: Not Applicable	**Freezing Point:** Not Applicable	**Vapour Pressure:** Not Applicable	**Evaporation Rate (water=1):** Greater than 1.0
Vapor Density (air = 1): Greater than 1.0	**Bulk Density:** Not Applicable	**Specific Gravity:** 0.629 g/mL	**Solubility:** Not Soluble in Water
PH: Not Applicable	**Water/Oil Part. Coeff.:** Not Applicable	**Threshold Odour:** Not Determined	**Sensitivity to Mechnical Impact:** None

SECTION 4 - FIRE AND EXPLOSION DATA

Flammability: Yes [ ] No [X] Will not support combustion	**Means of Extinction:** Surround fire with water, foam or inert gas.
Flash Point (°C) (method): Non-flammable	**Special Firefighting Procedures:** Firefighters must be equipped with protective clothing and self-contained breathing apparatus.
Autoignition Temperature: Not Applicable	**Explosion Limits (% by Volume):** **Upper Limit:** Not Applicable **Lower Limit:** Not Applicable

Hazardous Combustion Products:	**Sensitivity to Impact:**	**Sensitivity to Static Discharge:**
Oxides of Carbon and Irritating Gasses	Not Sensitive	Not Sensitive

SECTION 5 - REACTIVITY DATA

Chemical Stability: Yes [X] No [ ] Product is Stable	**Incompatibility with Other Substances (If yes, which ones):** Avoid Contact with Strongly Alkaline Materials
Reactivity, and Under What Conditions: Not Applicable	**Hazardous Decomposition Products:** Not Applicable

SECTION 6-TOXICOLOGICAL PROPERTIES (HEALTH HAZARDS INFORMATION)

Routes of Entry:	[X] - Ingestion	[ ] - Skin Absorption	[ ] - Eye Contact
	[ ] - Inhalation	[ ] - Inhalation Chronic	[ ] - Skin Contact

Effects of Acute Exposure to Material:
Nausea, vomiting, loss of appetite, extreme thirst, lethargy, diarrhea, bleeding

Effects of Chronic Exposure to Material:
The active ingredient in this product is known to bioaccumulate in the blood upon prolonged or repeated exposure.

Lethal Dose Concentration (Specify Species/Route):
LD50: >5000 mg/kg (rats, oral) **LC50:** Not Applicable

Irritancy (rabbits):
Non-irritating

Synergistic Materials:
Not Applicable

Exposure Limits: **TWA** = Non Assigned **STEL** = None Assigned **IDLH** = None Assigned

Sensitizing Capability:	**Carcinogenicity:**	**Reproductive Effects:**
Not a Sensitizer	No Evidence	No Evidence

SECTION 7 - PREVENTATIVE MEASURES

Personal Protective Equipment:
Rubber gloves when handling bait.

Engineering Controls:
Not Required

Handling and Storage Requirements:
Use normal good hygiene and housekeeping practices. Store in a dry place at room temperature. Avoid prolonged exposure to light and humidity. Keep container tightly closed when not in use. Keep away from children and away from food.

Disposal Instructions:
Dispose of waste either on-site or at an approved waste disposal facility in accordance with all applicable regulations. Avoid contamination of surface water by use or disposal.

Leak and Spill Procedure:
Sweep up spilled material. Place in a properly labeled container for disposal or reuse.

Special Shipping Information:
Not considered hazardous under Transportation Canada Dangerous Goods Regulations (TDG).

SECTION 8 - FIRST AID INSTRUCTIONS

Ingestion:
Call physician, Poison Control Centre or emergency phone number immediately. Do not give anything by mouth or induce vomiting unless instructed by physician.

Eye Contact:
Flush eyes and under eyelids with copious amounts of cool water for 15 minutes. If irritation develops, obtain medical assistance.

Skin Contact:
Wash skin and hands with soap and water.

Inhalation:
Not Applicable

Note to Physician:
If ingested, this material may reduce the clotting ability of the blood and cause bleeding. Treat potential exposure as indicated by bishydroxycoumarin overdoses.

Antidote:
Administer Vitamin K_1 (Phytonadione) intramuscularly or orally. Repeat as necessary as based upon monitoring of prothrombin times.

SECTION 9 - PREPARATION DATA

Prepared By:	**Date of Preparation:**	**Phone Number:**
Bell Laboratories, Inc. (PSM/CAR)	January 2015	(608) 241-0202

The information contained herein is offered only as a guide to the handling of this specific material and has been prepared by technically knowledgeable personnel. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other and additional considerations. No warranty of any kind is given or implied and Bell Laboratories, Inc. will not be liable for any losses, injuries or consequential damage which may result for the use or reliance on the information contained herein. The user is responsible to ensure that they have all current data relevant to their particular use. This Material Safety Data Sheet is valid for three years from the date of preparation.

TERMINIX Canada formerly Ace Pest Control has been servicing residential and commercial customers throughout Nova Scotia since 1979. We cover the province from Glace Bay to Yarmouth weekly, servicing larger centers as well as all rural areas in between.

Our managerial staff consists of a branch manager and technical supervisor with a combined experience of 44 years in the structural IPM pest, bird, and wildlife field. Furthermore, we have nine certified IPM technicians that can service your locations as well as an office manager and a customer service associate to tend to your call and inquiries.

We hold a Department of Environment Business Operators License required to provide pest control services in Nova Scotia. We hold $5,000.000 liability insurance and are in current good standing with WCB. Our staff hold several industry related certificates in addition to their Applicators License, which means only that the proper care and attention will be taken when servicing any of your locations.

TERMINIX Canada currently contracts Ennis Safety of Nova Scotia as our safety training provider for OHS, so we stay current with all WCB and Department of Labour standards. Safety training ensures our service technicians and customers alike, benefit from up-to-date knowledge on items such as hazard analysis and recognizing risk.

TERMINIX Canada provides their commercial customers an electronic reporting called PestPack. PestPack is a business intelligence reporting system for your brand's pest control data. It has been designed for TERMINIX Canada and their clients that are looking for a more meaning from pest control data, easier ways to generate reports for compliance purposes.

TERMININX provides service to many different sectors including:

Health Care | Food Service & Production | Industrial |Residential
Multi-Unit Housing | Hygiene | Facilities Management | Special Care Facilities

Terminix Contact Information

Main Office # 902-465-8118 **Business Development # 902-219-0020**

Email: TMXCA_infonovascotia@terminix.com **Email: smaclean@terminix.com**

NAD-83 (CSRS) 2010.0 3° MTM
CENTRAL MERIDIAN 64° 30'

BLOCK J-2
PID 41258955

WILLETT STREET
(24.384 m WIDE ASPHALT ROAD)

CIVIC #210
(MEASUREMENTS
TO BRICK SIDING)

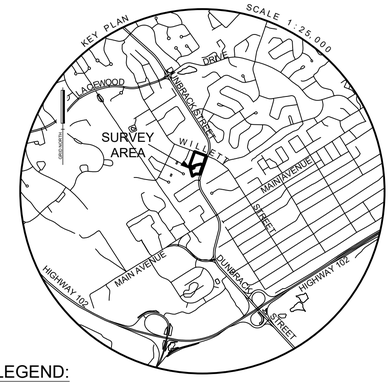
BLOCK PT
PID 40090086
10,714.0 Sq. Metres±
1.07 Hectares

CIVIC #214
(MEASUREMENTS
TO BRICK SIDING)

BLOCK PR
PID 40375776
6,162.9 Sq. Metres±
0.62 Hectares

DUNBRACK STREET
ASPHALT ROAD WIDTH VARIES

KEY PLAN
SCALE 1:25,000



LEGEND:

- LANDS DEALT WITH BY THIS PLAN
- OTHER LANDS
- CALCULATED TIE LINE
- EASEMENTS
- SOLID WHITE ROAD LINE
- OVERHEAD WIRE
- FENCES
- DASHED WHITE ROAD LINE
- TREE LINE
- CENTRELINE OF CONSTRUCTED ROAD
- ROCK WALL
- △ CONTROL POINT
- Fd. FOUND SURVEY MARKER
- RR RAIL SPIKE
- 55.85 SPOT ELEVATION
- MANHOLE
- SQUARE CATCHBASIN
- CURB MOUNTED CATCHBASIN
- ROUND CATCHBASIN
- FIRE HYDRANT
- WATER VALVE
- UTILITY POLE
- GUY WIRE
- LIGHT STANDARD
- UTILITY POLE WITH LIGHT
- SIGN
- SOFTWOOD TREE
- HARDWOOD TREE

ALL BEARINGS AND DISTANCES ARE GRID DERIVED FROM NRTK GNSS OBSERVATION TO NSHPN 224832 REFERENCED TO THE NOVA SCOTIA 3° MODIFIED TRANSVERSE MERCATOR PROJECTION, ZONE 5, CENTRAL MERIDIAN 64°30' W, BASED ON THE HORIZONTAL REFERENCE FRAME NAD83 (CSRS), EPOCH 2010.0.

ELEVATIONS ARE REFERENCED TO NSHPN 224832 HAVING AN ELEVATION OF 89.980 METRES (CGVD2013)

FIELD SURVEY WAS CARRIED OUT BETWEEN APRIL 25 AND APRIL 29, 2019.

DESIGN POINT
ENGINEERING & SURVEYING

Topographic Survey

Plan of Topographic Survey of
BLOCK PT,
Lands of **TIMBERCREEK CLAYTON PARK INC.**
and **BLOCK PR,**
Lands of **TIMBERCREEK WILSHIRE INC.**

210 & 214 WILLETT STREET,
HALIFAX
COUNTY OF HALIFAX
PROVINCE OF NOVA SCOTIA

10 0 5 10 20 40
Scale: 1:500 (Metric)

DATE: MAY 13, 2019
DWG NO: 19-029-SV-T1

Appendix G – Construction Management Plan Change Request

NOVA SCOTIA | HEAD OFFICE
105-134 Eileen Stubbs Avenue,
Dartmouth, Nova Scotia B3B 0A9
T 902.468.5000 | **F** 902.468.6615



HAZELVIEW DEVELOPMENT BUILDING

CONSTRUCTION MANAGEMENT PLAN CHANGE REQUEST

Hazelview Investments
1133 Yonge St, 4th Floor
Toronto, ON M4T 2Y7
416-624-8667
Contact: Aimee Grigg

5/18/2021

This is to request a change to the construction management plan for the Hazelview Building development. Lindsay Construction requests the following changes to the Construction Management Plan (CMP) to be reviewed and approved by Halifax Regional Municipality (HRM). These changes are required due to _____. The proposed date of implementation for these changes is ____, _____ and are expected to be required until _____, _____. These changes will impact traffic and pedestrians in the following ways by _____. Please see the attached sketch which outlines the changes being requested.

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

CONTACT INFORMATION:

General Contractor:	Lindsay Construction Contact: Janna Boutilier Ph: 902-293-9259

Our company has been retained by Hazelview Investments as the Construction Manager to complete work on the Hazelview Building development. Should any questions arise throughout construction, please feel free to contact the undersigned.

Yours Truly,
Lindsay Construction

Janna Boutilier
Project Manager

Appendix H – Construction Management Plan Inspection Sheet

NOVA SCOTIA | HEAD OFFICE
105-134 Eileen Stubbs Avenue,
Dartmouth, Nova Scotia B3B 0A9
T 902.468.5000 | **F** 902.468.6615

CMP Element	Action Per CMP	Set-up Per PMP			Action Required	Action Complete	Comments
		Yes	No	N/A			
Construction Site Protection and Hoarding	Secured rigid fence and anchored gates along construction site						
	Solid plywood hoarding mounted						
	Tranlucent mesh in areas without plywood hoarding and within 2m of right-of-way						
	Safety netting system in place						
	Snow and ice removal trucked off site						
	Vehicular and pedestrian site lines maintained						
	Site access gates open/closed during appropriate times						
	Public property damage documented						
	Site is clean and tidy						
Vehicular and Pedestrian Management	Traffic control in-place for activities affecting right-of-way						
	Traffic and pedestrian closures notified to HRM and the public						
	Construction warning signage placed on all appraches to the site						
	Emergency vehicle access maintained						

Appendix I – Crane Information

(Refer to site logistics plan for placement & swing, further crane details to be provided when formwork contractor is awarded)

NOVA SCOTIA | HEAD OFFICE
105-134 Eileen Stubbs Avenue,
Dartmouth, Nova Scotia B3B 0A9
T 902.468.5000 | **F** 902.468.6615

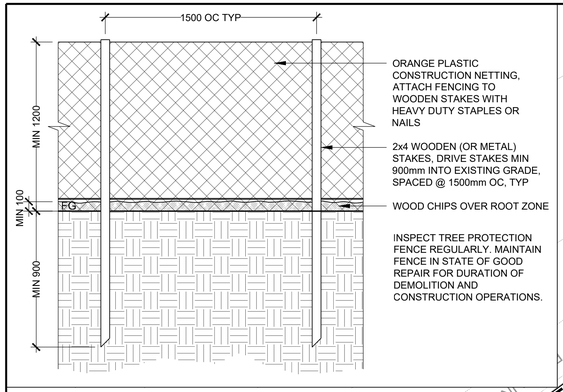
Appendix J – Hazard Assessment

Project: Willett St **Prepared by: Lindsay Construction** **Date:** **Location: 210 & 214 Willett St**

No.	Hazard	Project Phase	Vehicular Impacts	Pedestrian Impacts	Mitigation Methods
1	Building Demolition	Demolition	Debris may fall off building, damaging vehicles	Debris may fall off building, injuring pedestrians	Maintain site set-back as per the Occupational Health and Safety Act Section 82, close sidewalks adjacent to site
2	Excavated Trenches	Excavation	Vehicles may enter project site and fall into excavated areas	Pedestrians may enter project site and fall into excavated areas	Site fencing placed along the property lines with an anchored access gate, as well as signs indicating no entry unless authorized. The access gate will be locked and closed when construction is not in progress
			Rock debris may impact vehicles	Rock debris may impact Pedestrians	Solid plywood hoarding will be mounted on sections of rigid fence adjacent to blasting areas
3	Snow or Ice Clearing	All Phases	Emergency vehicles entering site may be obstructed from unsafe build-up of snow piles	Snow or ice may fall on pedestrians causing injury, or impede pedestrian right-of-way	All snow and ice will be trucked off site as required
4	Construction Waste	All Phases	Vehicles may strike or be struck by construction waste	Pedestrians may strike or be struck by construction waste	Site cleanliness will always be maintained, and regular inspections will be performed
5	Heavy Machinery Operation	All Phases	Vehicles may be struck by on site machinery	Pedestrians may be struck by on site machinery	Operator will be cautious off all surroundings and blind spots and maintain a safe distance between vehicles and pedestrians.
6	Project Site Lines	All Phases	Fences and signs may impact vehicular site line visibility	Fences and signs may impact pedestrian site line visibility	Rigid fencing and signage will be placed as to not impede any site lines

7	Construction Signage	All Phases	Construction signage may strike oncoming traffic	Construction signage may impede pedestrian right-of-way	Signage will be secured as to not obstruct vehicle or pedestrian traffic
8	Dangerous Materials	All Phases	Flammable, explosive, and hot materials may damage vehicles if not properly maintained and stored	Flammable, explosive, and hot materials may cause injury to pedestrians if not properly maintained and stored	All dangerous materials will be used and stored as per the manufacturers' specifications
9	Rodent Control	All Phases	Rodent control devices may impede vehicular traffic	Rodent control may contain poison which may cause harm if ingested	Devices are to be secured in project site and contain the proper hazard warning for poison material
10	Lifting, Hoisting and Crane Operations	Superstructure	Suspended objects may fall and impact vehicles	Suspended objects may fall and impact pedestrians	Proper crane permits obtained, objects will never be suspended over the public right-of-way and protection netting will be placed for additional security
11	Reinstatement of Public Infrastructure & service Installation	Superstructure	Vehicular right-of-way will be obstructed, vehicles may fall into excavated trenches	Pedestrian right-of-way will be obstructed, pedestrians could fall into excavated trenches	Pedestrian Protection Plan (PMP) and Traffic Control Plan (TCP) will be implemented during these phases of the project. Proper signage will be placed to redirect traffic to maintain a safe distance from construction
12	Fallen Debris	Superstructure	Debris may fall off building damaging vehicles	Debris may fall off building injuring pedestrians	A safe distance will be maintained between the building and traffic. Engineered netting will also be placed to catch any fallen debris that could impact vehicular and pedestrian traffic

Appendix K – Tree Protection Plan



TREE PROTECTION FENCE

POLE LINE EASEMENT

WOODEN FENCE

EXISTING TREES TO BE PROTECTED

PROPERTY LINE

CONTINUOUS TREE PROTECTION FENCE FOLLOWING EXISTING EDGE OF PAVEMENT; SEE DETAIL, THIS SHEET

N: 4946688.089m
E: 25567239.162m
EL: 97.984m
PNL 1007

EXISTING TREES TO BE PROTECTED

PRIVATE RIGHT OF WAY EASEMENT

EXTENTS OF PROPOSED PARKING GARAGE

CONTINUOUS TREE PROTECTION FENCE; SEE DETAIL, THIS SHEET

PROPERTY LINE

EXISTING TREES TO BE PROTECTED

EXISTING TOWNHOUSES

OUTLINE OF PROPOSED TOWER 2

EXISTING TOWER

OUTLINE OF PROPOSED TOWER 1

N: 4946687.060m
E: 25567285.641m
EL: 98.456m
PNL 1002

N: 4946678.627m
E: 25567305.441m
EL: 98.466m
PNL 1004

EXISTING TREES TO BE REMOVED

EASEMENT B RIGHT OF WAY EASEMENT

EASEMENT A RIGHT OF WAY EASEMENT

BUFFER ZONE

POLE LINE EASEMENT

PROPERTY LINE

EXISTING TREES TO BE REMOVED

ALL STREET TREES WITHIN PUBLIC RIGHT OF WAY TO BE PROTECTED. PROVIDE TREE PROTECTION FENCE - SEE DETAIL, THIS SHEET.

WILLETT STREET

DUNBRACK STREET

LEGEND

- AREA OF TREES TO REMAIN
- AREA OF TREES TO BE REMOVED
- INDIVIDUAL TREE TO REMAIN
- INDIVIDUAL TREE TO BE REMOVED
- TREE PROTECTION FENCE
- PROPOSED BUILDING OUTLINE

TREE PROTECTION NOTES:

1. Provide a tree protection zone (TPZ) around all trees designated to remain. The TPZ shall measure 3m (radius) from the trunk of each tree, or to the dripline, whichever is greater.
2. Install tree protection fencing around each tree or group of trees indicated to remain. See tree protection fence detail, this sheet.
3. Within the TPZ, the following activities are prohibited:
   - 3.1. Construction of temporary structures
   - 3.2. Alterations to existing grades and compaction of existing soils
   - 3.3. Dumping, material or equipment storage
   - 3.4. Disposal of any chemicals or substances that could adversely affect tree health
   - 3.5. Cutting, breaking, tearing, crushing, exposing or stripping tree roots, trunk, and branches
   - 3.6. Nailing or stapling into a tree, including attachment of fences, electrical wires, or signs.
4. Any roots or branches that require pruning, as approved by landscape architect and HRM Urban Forestry, must be pruned by a qualified arborist. Pruning must be done in accordance with accepted arboricultural practice. Roots to be pruned must be first exposed by pneumatic (air) excavation, hand digging, or low-pressure hydraulic (water) excavation, to allow for a proper pruning cut. Excavation shall not cause damage to root bark.
5. Roots shall be pruned by an arborist, using a concrete saw.
6. Apply measures including deep root watering, soil aeration, fertilization, mulching, as recommended by arborist and approved by HRM Urban Forestry.
7. Backfill within root zone as soon as possible following root pruning. Do not leave roots exposed longer than necessary.

brackish

BRACKISH DESIGN STUDIO INC.
204-1521 GRAFTON STREET
HALIFAX NS B3J 2B9 T 902.422.7216
www.brackish.ca

ARCHITECT
ZZap ARCHITECTURE & PLANNING
1 CANAL STREET
DARTMOUTH NS B2Y 2W1
www.zzap.ca

CIVIL ENGINEER
DESIGNPOINT ENGINEERING
222 WATERFRONT DRIVE, SUITE 104
BEDFORD NS B4A 0H3
www.designpoint.ca

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ISSUE	DATE	DESCRIPTION
1	05.25.2021	Issued for Coordination

HAZELVIEW INVESTMENTS
DUNBRACK & WILLETT

210 WILLETT STREET
HALIFAX, NS

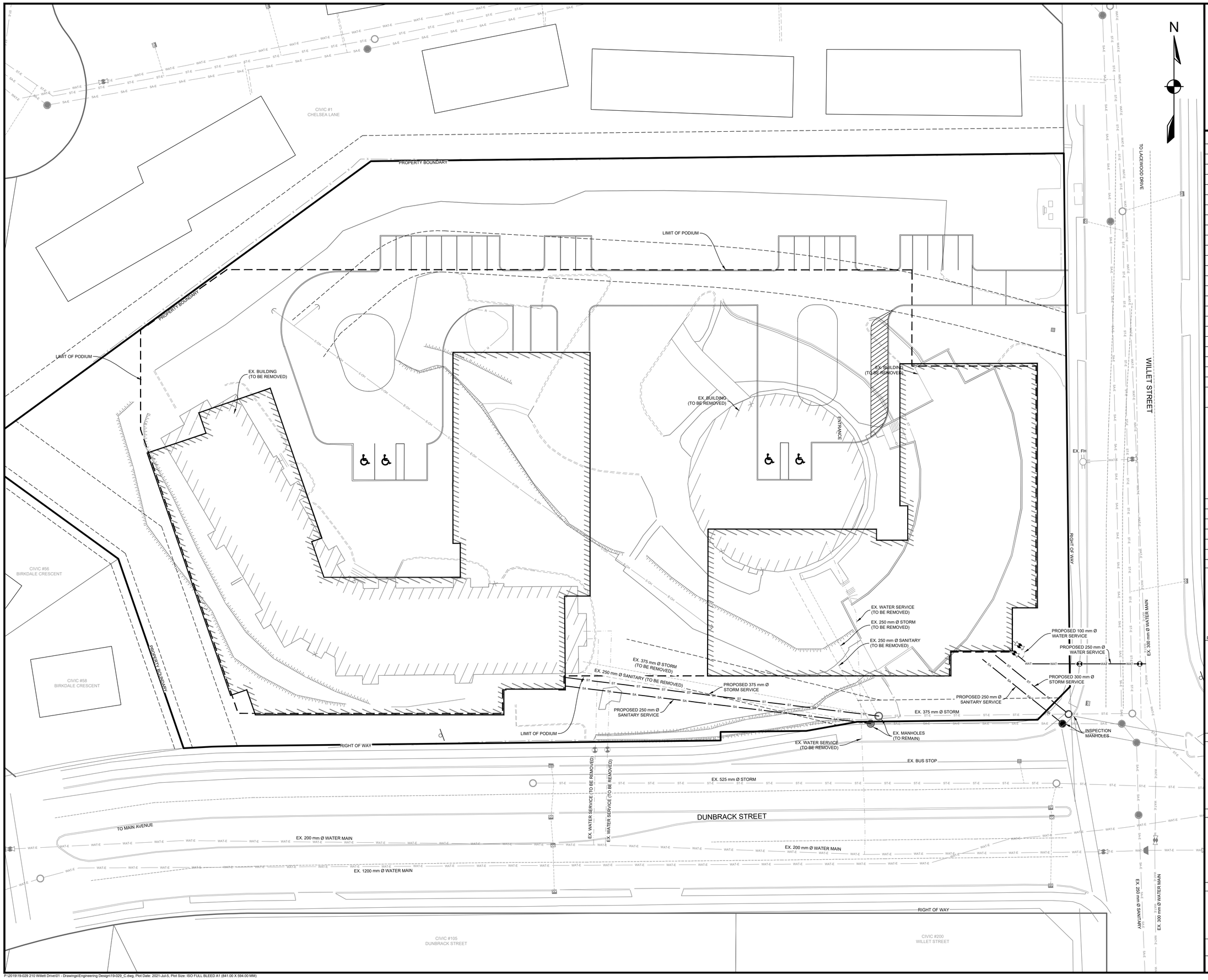
SCALE 1:250
DATE 05.25.2021
DRAWN BY SC
REVIEWED BY MB

SCHEMATIC DESIGN

TREE PROTECTION PLAN

L000

Appendix L – Site Servicing Plan



KEYPLAN 1:10000



LEGEND

EXISTING		PROPOSED
	VERTICAL PROFILE	
	APPROXIMATE 1 IN 100 YEAR FLOOD LIMIT	100 YR
	EASEMENT	
WAT-E	WATER PIPE	WAT
SA-E	SANITARY PIPE	SA
ST-E	STORM PIPE	ST
GAS-E	NATURAL GAS MAIN	GAS
	WATER LATERAL	
	SANITARY LATERAL	
	STORM LATERAL	
	NATURAL GAS LATERAL	
	SIDEWALK	
	WALKWAY/A.T. TRAIL	
	GUARDRAIL	
RIGHT OF WAY	TOP OF SLOPE	
	BOTTOM OF SLOPE	
X	FENCELINE	X

	EXISTING	PROPOSED		EXISTING	PROPOSED
CURB CUT/RAMP			AIR RELEASE VALVE		
CURBSTOP			WATER VALVE		
REDUCER			HYDRANT		
PRECAST HEADWALL			CATCHBASIN		
STREET SIGN			UTILITY POLE w/ GUY WIRE		
STREET TREE			GLB		
			URD		

METRES 8 0 8 16

1:300

ISSUE	DATE	DESCRIPTION
3	JUL. 07, 2021	ISSUED FOR SCHEMATIC DESIGN
2	OCT. 26, 2020	RE-ISSUED FOR REVIEW
1	OCT. 18, 2020	ISSUED FOR REVIEW

CONSULTANT

DESIGN POINT ENGINEERING & SURVEYING
PHONE: 902.832.5597
www.designpoint.ca

DRAFT
NOT FOR CONSTRUCTION

CLIENT

PROJECT DESCRIPTION

TO LACEWOOD DRIVE

210 WILLET STREET

HALIFAX, NOVA SCOTIA

EX. FH SHEET DESCRIPTION

SITE SERVICING PLAN

Drawn: F. LAST	Engineer: N. FOUGERE	Project No.: 19-029	Drawing No.: C-101
Date of 1st Issue: 1:300	Scale	Filename: 19-029_C.dwg	2 of 3

Appendix M – Project Brochure

HAZELVIEW DEVELOPMENT

210 - 214 WILLETT ST

CONSTRUCTION MANAGEMENT OUTLINE



PROJECT OVERVIEW

- **Developer: Hazelview Developments**
- **Construction Manager: Lindsay Construction**
- **Architect: ZZap**
- **Two 17-story Apartment Towers**
- **2 Levels of underground parking**
- **~ 8,000sqft of commercial space**
- **527 units (1-bedroom, 2-bedroom, 3-bedroom) *subject to change**
- **Pedestrian & bus routes to remain open on Willett Street and Dunbrack Street**
- **Site perimeter fencing & hoarding with banner/signage**
- **Deliveries and equipment to be on site to avoid street congestion**

CONTINUED PEDESTRIAN & VEHICULAR ACCESS



SIDEWALKS, STREETS, AND BUS ROUTES WILL REMAIN OPEN FOR CONTINUED PEDESTRIAN & VEHICULAR ACCESS SURROUNDING THE CONSTRUCTION SITE

CONSTRUCTION PHASES AND SCHEDULE

DEMOLITION – *SUMMER 2021 – WINTER 2022*
Rodent control measures will be implemented at least 14 days prior to demolition. This phase will also include installation of perimeter signage, fencing, hoarding and barriers.

EXCAVATION – *FALL 2021 – SPRING 2022*
Earthwork and excavation for footings and foundations shall occur. This phase will include rock breaking and blasting.

SUBSTRUCTURE - WINTER 2021 -SPRING 2022
Footings and foundations are poured and backfilled, while underground services are installed.

SUPERSTRUCTURE – *SUMMER 2022 -FALL 2025*
Columns, walls, slabs and stairs will be formed and poured for above ground floors. Installation of exterior glazing and cladding shall also occur during this phase. Mechanical and electrical work will be done as each floor is constructed, as well as interior masonry and finishes.

FLAT WORKS - FALL 2025
Curbs, sidewalks, entrances, and landscaping will be completed.

ADDITIONAL INFORMATION & CONTACTS



Will there be changes to the Construction Management Plan?

Construction Management Plans and schedules are evolving documents. While efforts have been made to address all possible concerns, there may be unforeseen elements which require changes to the project plan. Lindsay Construction, its subcontractors and the Halifax Regional Municipality will remain in close contact throughout the construction process to ensure any changes are efficiently managed and communicated to the public.

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

Lindsay Construction encourages the public to reach out to us with any questions, comments or safety concerns related to this project. If you have a concern of this nature, please email info@lindsayconstruction.ca.

For more information about the Hazelview Development project, please visit: http://210-214willettst.com/

hazelview INVESTMENTS

ZZap

Lindsay CONSTRUCTION BUILDING PARTNERS