

File No.: 04-1000-20-2023-268

August 2, 2023

s.22(1)

Dear s.22(1)

Re: **Request for Access to Records under the Freedom of Information and Protection of Privacy Act (the "Act")**

I am responding to your request of May 3, 2023 under the ***Freedom of Information and Protection of Privacy Act*** for:

**Records (excluding those provided for FOI 2022-605) relating to the construction work and conditions of the road on W King Edward Avenue between MacDonald Street and Blenheim Street, and on the west side of Blenheim Street to Translink Stop # 51590, specifically:**

- 1. Accidents on this route;**
- 2. Contractors working on this site;**
- 3. Witnesses to a bike accident on July 26, 2022 at approximately 1:45 pm;**
- 4. Large pothole and various repairs, and reasons for the ultimate paving over the whole top of the construction zone;**
- 5. Design of construction zone, including risk assessments regarding traffic, merging bikes with buses and all traffic, the state of the road, and why there was a construction sign after the bus stop;**
- 6. General policy regarding construction zone design;**
- 7. Paving of a bike lane for the other side of the construction zone, specifically why only one side had a paved bike lane; and**
- 8. Whether there were any parking restrictions along King Edward Avenue between MacDonald and Blenheim Street on July 26, 2022.**

**Date range: January 1, 2022 to September 1, 2022 (to May 2, 2023 for point one).**

All responsive records are attached. Some information in the records has been severed (blacked out) under s.22(1) of the Act. You can read or download this section here:  
[http://www.bclaws.ca/EPLibraries/bclaws\\_new/document/ID/freeside/96165\\_00](http://www.bclaws.ca/EPLibraries/bclaws_new/document/ID/freeside/96165_00).

Please note, in regards to points one and three of your request, the Streets Division Branch confirmed that there are no records.

With regards to point four of your request, Engineering Services has noted that the following publicly available records are responsive:

- "City of Vancouver Construction Specifications," Section 32 15 01S (page 113 of 238) – <https://vancouver.ca/files/cov/engineering-construction-specifications.PDF>;

- “Standard Detail Drawing G5.5” (page 13 of 24) –  
<https://vancouver.ca/files/cov/standard-detail-drawings-general-details.pdf>.

Further to the “City of Vancouver Construction Specifications” document, Engineering Services has highlighted that subsection 3.9.5 of section 32 15 01S requires entire slab removal and reinstatement when less than ½ of the slab remains after trench excavation.

Under section 52 of the Act, and within 30 business days of receipt of this letter, you may ask the Information & Privacy Commissioner to review any matter related to the City’s response to your FOI request by writing to: Office of the Information & Privacy Commissioner, [info@oipc.bc.ca](mailto:info@oipc.bc.ca) or by phoning 250-387-5629.

If you request a review, please provide the Commissioner’s office with: 1) the request number (#04-1000-20-2023-268); 2) a copy of this letter; 3) a copy of your original request; and 4) detailed reasons why you are seeking the review.

Yours truly,

*[Signed by Cobi Falconer]*

**Cobi Falconer, MAS, MLIS, CIPP/C**  
**Director, Access to Information & Privacy**  
[cobi.falconer@vancouver.ca](mailto:cobi.falconer@vancouver.ca)  
453 W. 12th Avenue Vancouver BC V5Y 1V4

If you have any questions, please email us at [foi@vancouver.ca](mailto:foi@vancouver.ca) and we will respond to you as soon as possible. Alternatively, you can call the FOI Case Manager at 604-871-6584.

Encl. (Response package)

:pm

# ***TRAFFIC MANAGEMENT PLAN - FINAL Rev.0***

**City of Vancouver  
West King Edward Upgrade**

**June 30, 2022**

***R.F. BINNIE & ASSOCIATES LTD.***

300 - 4940 Canada Way,  
Burnaby, BC V5G 4K6  
Main: 604-420-1721



Prepared by: \_\_\_\_\_

Matthew Woo, P.Eng., M.Sc.



Reviewed by: \_\_\_\_\_

Kelly Bullivant, P.Eng.

Approved by: \_\_\_\_\_

Ava Li, P.Eng.



## PROJECT TEAM MEMBER LIST

Project Manager:

Ava Li, P.Eng.

Technical Staff:

Kelly Bullivant, P.Eng.

Matthew Woo, P.Eng., M.Sc.

Aaron MacLeod, EIT

Sophia Kim, EIT

Daniel Solodkin, ASCT

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## APPENDICES

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## 1 INTRODUCTION

R.F. Binnie & Associates Ltd. (Binnie) has been retained by the City of Vancouver (the City) to provide traffic engineering services in the form of preparing the traffic management plan (TMP) for the West King Edward Upgrade (the Project). The Project spans between Dunbar Street and Arbutus Street along West King Edward Avenue. The Project will involve sewer main upgrades, water main upgrades, green infrastructure implementation, bus stop improvements, and roadway restoration and paving. Construction will be carried out by City crews.

The purpose of this TMP is to outline the traffic-related procedures and requirements for the proposed infrastructure construction. **Any major field adjustments to the plan shall be made by, or under the direction of a Professional Engineer licensed in the Province of British Columbia.** The TMP shall be implemented in accordance with the following guidelines and standards, in which the traffic management strategies outlined in this document were based on:

- *Traffic Management Manual for Work on Roadways* (Victoria: British Columbia Ministry of Transportation and Infrastructure (BC MOTI), 2020)
- *Manual of Standard Traffic Signs and Pavement Markings* (Victoria: BC MOTI, 2000)
- *2020 Standard Specifications for Highway Construction: Section 194* (Victoria: BC MOTI, 2020)
- *Manual of Uniform Traffic Control Devices of Canada (MUTCDC)*, 6<sup>th</sup> ed. (Ottawa: Transportation Association of Canada (TAC), 2021)
- *Geometric Design Guide for Canadian Roads* (Ottawa: TAC, 2017)
- *BC Supplement to TAC Geometric Design Guide*, 3<sup>rd</sup> ed. (Victoria: BC MOTI, 2019)
- *Sign Code Inventory* (Vancouver: City of Vancouver, 2020)

This TMP is formulated as per the Category 3 guidelines in the *Traffic Management Manual for Work on Roadways*. The objectives of this TMP are to minimize the site-specific risks that were identified for this project, and to ensure safe and efficient traffic flows through and around the work zone for all road users.

This TMP has been prepared based on the proposed work zone and concept drawings received from the City. See **Appendix A** for the Project construction sequencing and schedule (to be provided by the City).

## 2 PROJECT OVERVIEW

The Project is an integrated project that includes different scopes of work. The largest scope of the Project will include sewer main upgrades on both sides of the center grass median between Dunbar Street and Quesnel Drive. It is expected that rerouting of traffic from the south side of the median to the north side (and vice versa) will be required.

The second most impactful scope of the Project will be the re-design of the Arbutus Street and West King Edward Avenue intersection. This work will mostly deal with traffic signal upgrades along with curb re-alignment and subsequent concrete works, and will require multiple phases with lane closures to complete.

Less impactful works for the Project will include replacement of a water main on the north side of the median in the curb lane, green infrastructure implementation, bus stop improvements, and roadway restoration and paving for all sections impacted by the utility upgrades. In addition, traffic signals that require signal timing modifications during construction will be completed by the City.

### 2.1 Project Schedule

The proposed construction schedule is expected to commence in July 2022 and conclude in May 2024.

### 2.2 Project Area

The Project area for the Project is shown in **Figure 2-1**.

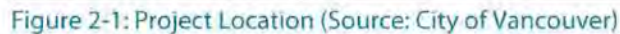
#### 2.2.1 West King Edward Avenue

Within the project area, West King Edward Avenue runs in the east-west direction. It has one travel lane and one on-street parking lane in each direction, sidewalks on each side, and a posted speed limit of 50 km/h. The roadway is divided by a 15 m wide grass median strip. Painted bicycle lanes are provided in each direction from Quesnel Drive to Angus Drive. On-street parking is widely available on both sides of West King Avenue in the curb lane, but it is restricted near bus stops and Lord Kitchener Elementary School.

#### 2.2.2 Arbutus Street

Within the project area, Arbutus Street runs in the north-south direction and crosses West King Edward Avenue at a signalized intersection. It has two lanes in each direction and a posted speed limit of 50 km/h. North of West King Edward Avenue, there are stopping restrictions on the east side of the roadway from 7:00 AM to 6:00 PM on Monday to Saturday, and on the west side of the roadway from 3:00 PM to 6:00 PM on Monday to Friday. South of West King Edward Avenue, there are stopping restrictions on the east side of the roadway from 7:00 AM to 6:00 PM on Monday to Friday, and on the west side of the roadway at all times. Sidewalks are provided on both sides of the roadway south of West King Edward Avenue, and on the west side of the roadway north of West King Edward Avenue. A multi-use path, the Arbutus Greenway, is provided east of the roadway. Pedestrian crosswalks with pushbuttons are available on all approaches at the intersection of the West King Edward Avenue and Arbutus Street, including a bicycle crossing on the westbound approach.





Within the project area, Valley Drive is considered to run in the north-south direction and crosses West King Edward Avenue at a pedestrian-activated signalized intersection. The roadway supports two-way traffic and has a posted speed limit of 30 km/h. Sidewalks are provided on both sides of the roadway north of West King Edward Avenue, and on the west side of the roadway south of West King Edward Avenue. Pedestrian crosswalks with pushbuttons are available on the westbound and eastbound approaches of the West King Edward Avenue and Valley Drive intersection. In addition, green paint treatment is provided at the median strip for cyclists crossing West King Edward Avenue. On-street parking is available on each side of the roadway.

Within the project area, Trafalgar Street runs in the north-south direction and crosses West King Edward Avenue at an unsignalized intersection. The roadway supports two-way traffic and has an assumed speed limit of 50 km/h. Sidewalks are provided on the west side of the roadway, and a zebra-striped crosswalk is provided on the west leg of the West King Edward Avenue and Trafalgar Street intersection. Street parking is available on each side of the roadway.



### **2.2.5 Puget Drive / Macdonald Street**

Within the project area, Puget Drive / Macdonald Street runs in the north-south direction and crosses West King Edward Avenue at a signalized intersection. It generally has one lane in each direction and a posted speed limit of 50 km/h. Sidewalks are provided on both sides of the roadway and pedestrian crosswalks with pushbuttons are available on all approaches of the West King Edward Avenue intersection. On-street parking is generally available on both sides of the roadway.

### **2.2.6 Quesnel Drive**

Within the project area, Quesnel Drive runs in the north-south direction and crosses West King Edward Avenue at a signalized intersection. South of West King Edward Avenue, it has one lane in each direction, sidewalks and on-street parking on each side, and an assumed speed limit of 50 km/h. North of West King Edward Avenue, the roadway supports two-way traffic, has sidewalks and on-street parking on each side, and has a posted speed limit of 30 km/h. In addition, a pedestrian crosswalk with pushbutton is provided on the west leg of the West King Edward Avenue and Quesnel Drive intersection.

### **2.2.7 Balaclava Street**

Within the project area, Balaclava Street runs in the north-south direction and crosses West King Edward Avenue at an unsignalized intersection. The roadway supports two-way traffic and has a posted speed limit of 30 km/h. Sidewalks and on-street parking are provided on both sides of the roadway. Green paint treatment is provided at the median strip for cyclists crossing West King Edward Avenue.

### **2.2.8 Blenheim Street**

Within the project area, Blenheim Street runs in the north-south direction and crosses West King Edward Avenue at a signalized intersection. It has one lane in each direction, an assumed speed limit of 50 km/h south of West King Edward Avenue, and is within a School Zone north of West King Edward Avenue, where the speed limit is restricted to 30 km/h from 8:00 AM to 5:00 PM on school days. Sidewalks are provided on both sides of the roadway with pedestrian crosswalks with pushbuttons available on all approaches of the West King Edward Avenue and Blenheim Street intersection. On-street parking is generally available on each side of the roadway.

### **2.2.9 Collingwood Street**

Within the project area, Collingwood Street runs in the north-south direction and crosses West King Edward Avenue at a unsignalized intersection. The roadway supports two-way traffic, has an assumed speed limit of 50 km/h south of West King Edward Avenue, and is within a School Zone north of West King Edward Avenue, where the speed limit is restricted to 30 km/h from 8:00 AM to 5:00 PM on school days. Sidewalks are provided on both sides of the roadway, with a zebra-striped crosswalk on the east leg of the West King Edward Avenue and Collingwood Street intersection. On-street parking is generally available on both sides of the roadway but is restricted to three minutes from 8:00 AM to 5:00 PM on school days on the east side of the roadway between West 24<sup>th</sup> Avenue and West King Edward Avenue. In addition, temporary concrete barriers are provided at the median strip on West King Edward Avenue to restrict the southbound through movement on Collingwood Street.



### 2.2.10 Dunbar Street

Within the project area, Dunbar Street runs in the north-south direction and crosses West King Edward Avenue at a signalized intersection. It has one travel lane and one curb lane for on-street parking in each direction, sidewalks on each side, and a posted speed limit of 50 km/h. On-street parking is widely available but is restricted near bus stops. In addition, pedestrian crosswalks with pushbuttons are available at all approaches of the West King Edward Avenue and Dunbar Street intersection.

### 2.2.11 Other Minor Cross Streets

There are several minor local roads that intersect with West King Edward Avenue within the project area that were not mentioned above. They generally intersect with West King Edward Avenue at a three-legged intersection and do not provide pedestrian or cyclist facilities to cross West King Edward Avenue. They typically are low speed (50 km/h or under), support two-way traffic, provide sidewalks and on-street parking on at least one side of the roadway, and are stop-controlled at their respective West King Edward Avenue intersections.

## 2.3 Traffic Management Approach

Generally, one lane in each direction shall be maintained along West King Edward Avenue throughout construction. Individual turning movements restrictions at intersections along West King Edward Avenue are provided by the City and are as follows:

- One lane in each direction is to be retained at the Dunbar Street and Quesnel Drive intersections at all times
- One lane in each direction, westbound right-turn lane, and eastbound left-turn lane are to be retained at the Macdonald Street intersection at all times
- One shared through/right-turn lane in each direction along with the eastbound and westbound left-turn lanes are to be retained at the Arbutus Street intersection at all times
- One lane in each direction retained with left-turn restrictions at the Arbutus Street intersection may be implemented during weekdays from 9:30 AM to 3:00 PM only

Crossovers from each side of the median along West King Edward Avenue shall be done at intersections, where median cutbacks will be required to accommodate turning paths of larger vehicles. When required, single lane alternating traffic, directional closures, and full closures on West King Edward Avenue will be done on approved weekends only. In addition, dedicated turn lanes may be restricted on approved weekends only and approval from the City's Traffic and Data Management (TDM) group is required.

Please refer to **Appendix B** for full details of the traffic restrictions along West King Edward Avenue and any affected cross streets. Please note that during the development of the City's concept plans, these restrictions are subject to change, and that any changes to the traffic restrictions of the Project will be based on the City's direction.

## 2.4 Hours of Work

Based on information from the City, the construction for the Project is generally expected to occur between the following hours, which are consistent with the City's Noise Control Bylaw No. 6555 and Consolidated Amendments:

- Monday to Friday: 7:00 AM to 8:00 PM
- Saturday: 7:00 AM to 8:00 PM
- Sunday and Statutory Holidays: 10:00 AM to 8:00 PM



### 3 MOBILITY IMPACTS

The objectives of this section are to review the potential traffic impacts associated with the construction of the proposed upgrades on West King Edward Avenue and the management strategies to address these impacts. The Traffic Control Plan (TCP) drawings for the construction of the proposed upgrades will be attached in **Appendix C**.

#### 3.1 Vehicular Traffic

Generally, one lane in each direction shall be maintained along West King Edward Avenue throughout construction. Individual turning movements at intersections and travel lanes along side streets are to be retained based on the City's traffic restrictions. Crossovers from either side of the median along West King Edward Avenue shall be done at intersections where median cutbacks will be required to accommodate turning paths of larger vehicles. When required, single lane alternating traffic, directional closures, and full closures on West King Edward Avenue will be done on approved weekends only. Cyclists may need to share the lane with vehicular traffic during construction along affected roadways. Restrictions at the intersections along West King Edward Avenue may be required to accommodate various construction work zones; therefore, traffic control personnel may be required to assist turning movements of larger vehicles through the work zones.

The City's traffic restrictions for the Project can be found in **Appendix B**.

#### 3.2 Pedestrians

In the City's Official Community Plan (revised 2014) and supplemental Regional Context Statement, sustainable transportation choices and active lifestyles are encouraged. The City has developed a network of pedestrian sidewalks and pathways to achieve this objective. Existing pedestrian facilities are generally noted to be provided within the Project area.

There are sidewalks on at least one side of all roadways within the Project area. There are also marked pedestrian crosswalks at all major intersections. Generally, when possible, only one crosswalk or sidewalk may be closed at a time during all phases of construction. If more than one crosswalk or sidewalk closure is required, or if the closure of the only pedestrian crossing at an intersection is required, accommodations for pedestrians must be provided. Unless otherwise directed, all crosswalks and sidewalks must be maintained after work hours.

For further details, refer to the City's Construction on Pedestrian Facilities Guide 2020 in **Appendix D**.

#### 3.3 Cyclists

According to the City's 2022 cycling map, the following are the existing cycling facilities within the Project area:

- AAA network route along Arbutus Street
- Painted bike lane along West King Edward Avenue
- Local street bikeway along Valley Drive



- Local street bikeway along Quesnel Drive
- Local street bikeway along Balaclava Street
- Painted bike lane along Dunbar Street

During construction, cyclists are expected to be accommodated on the roadway. Cyclists may need to merge and share the lane with general vehicular traffic. Bike detours to reroute cyclists off West King Edward Avenue are expected to be required for specific stages of construction. Specific stages of construction that may require cyclists to dismount and walk must be approved by the City's TDM group.

For further details, refer to the City's Construction on Bicycle Routes Guide 2020 in **Appendix D**. Refer to **Figure 3-1** for existing bike routes in the Project area.

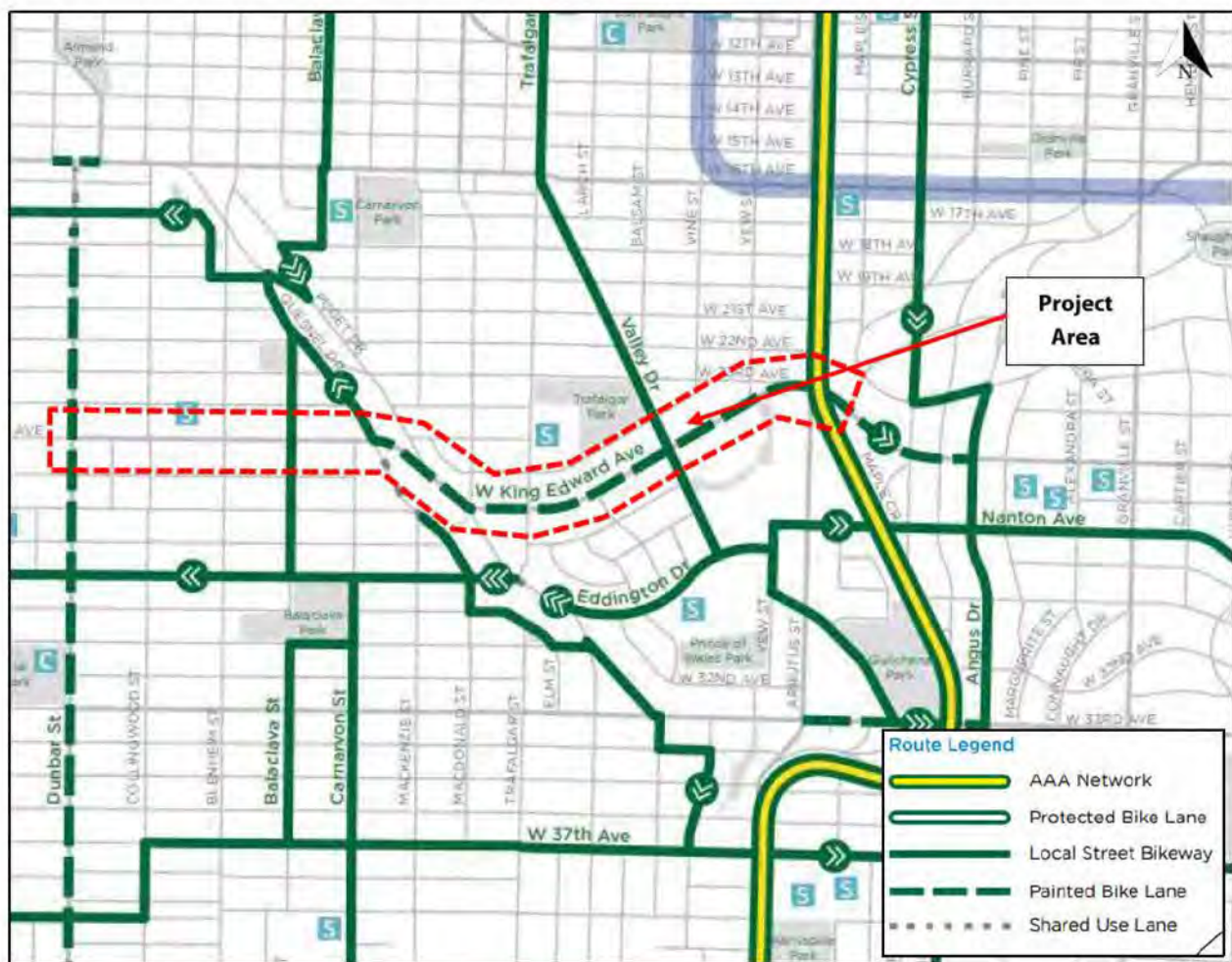


Figure 3-1: Bike Routes in Project Area (Source: City of Vancouver)

### 3.4 Transit

The existing bus service in Metro Vancouver is generally operated by the Coast Mountain Bus Company (CMBC), an operating subsidiary of TransLink. Based on the information provided on TransLink's website, the following bus routes may be affected by the proposed construction:



- Route #2 – Macdonald/Downtown
- Route #7 – Nanaimo Station/Dunbar
- Route #16 – 29<sup>th</sup> Avenue Station/Arbutus
- Route #25 – Brentwood Station/UBC
- Route N22 – Downtown/Macdonald Nightbus

During the construction, buses must be retained or reroutes must be coordinated with CMBC. Trolley wire relocations and pole pullers must be scheduled with CMBC. Bus stop closures and relocations must be coordinated with CMBC, and any long duration bus stop closures should be reviewed by CMBC. Transit layover and timing stops must be accommodated or relocated.

Refer to **Figure 3-2** for an overview of the bus routes within the Project area.



Figure 3-2: Project Area Transit Map (Source: TransLink)

### 3.5 On-Street Parking

There are segments of on-street parking provided along West King Edward Avenue and its cross streets within the Project area. Along West King Edward Avenue, on-street parking is widely available on both sides of the roadway in the curb lanes. On-street parking is available on all cross streets, including Dunbar Street and Arbutus Street. On-street parking will not be permitted within the work zone at any time of the day during construction. On-street parking areas that are outside but near the work zone will be restricted accordingly during construction based on the extents of the work zone and the nature of the work. The City will install temporary parking control signs as part of the construction process,



which would include the provision, installation, and maintenance of signage during each stage of construction.

### 3.6 Trucks

#### 3.6.1 Truck Routes

The City requires all vehicles exceeding 11,800 kg (26,000 lbs.) to travel on designated truck routes. According to the City's truck route map, Arbutus Street, Dunbar Street, Macdonald Street, Quesnel Drive, and the section of West King Edward Avenue between Quesnel Drive and Macdonald Street are designated truck routes. During construction, any lane shifts, detours, and intersection modifications on the designated truck routes are anticipated to accommodate a WB-17 design vehicle, if feasible.

The existing truck routes in the Project area are illustrated in **Figure 3-3**.



Figure 3-3: City of Vancouver Truck Routes (Source: City of Vancouver)

#### 3.6.2 Staging

To minimize disturbance to the nearby residents, businesses, and institutions, all construction trucks will arrive at the work zone on the closest roadway on the City's truck routes. When entering the work zone, traffic control personnel will assist with trucks pulling-in or backing-in to the staging area. The traffic control personnel will also need to assist construction vehicles re-entering the general traffic lane in a safe and efficient manner, if required.

While the construction trucks are within the staging area in a queue, effort should be undertaken to minimize their idling time to reduce the harmful exhaust gas being emitted by the stationary trucks and

to reduce noise impacts on the local neighbourhoods. The City construction crews will need to identify staging areas and establish plans to manage trucks moving into and out of the staging areas.

### **3.7 Emergency Vehicles**

During construction, traffic control personnel must ensure that emergency vehicles responding to an incident with sirens or lights turned on are given priority to travel through the work zone, if feasible, by removing any lane closures in place and stopping other traffic. If the sirens or lights are not turned on, care should still be taken to minimize impacts to any emergency vehicles.



## 4 COMMUNITY IMPACTS

The objective of this section is to review the potential negative impacts that the construction may incur on the local community and the management strategies to address these impacts.

### 4.1 Residential and Business Properties Accesses

The City construction crews must make every effort to maintain a minimum of one access to the residential and business properties adjacent to the work zones at all times. Any accesses impacted shall be reinstated after construction working hours, or as soon as they are deemed unnecessary. The City construction crews will need to liaise with representatives from the impacted properties to minimize the traffic impacts during work hours.

### 4.2 Adjacent City Projects and Private Developments

There may be current, planned, and unknown future projects and developments in proximity of the Project area. These projects may have the potential to generate vehicle and pedestrian traffic when they are underway, and their accesses will need to be reviewed closely. The City construction crews will need to liaise with developers and other contractors to minimize access and scheduling conflicts between the Project and upcoming construction projects nearby.

The known adjacent construction sites within the Project area are the following:

- West King Edward Water Upgrades (Puget Drive to Arbutus Street)
- Kerrisdale Rapid Bus Intersection Improvements
- Curb Ramp Program (West King Edward Avenue and Dunkirk Street)

### 4.3 Other Surrounding Facilities

The City construction crews should note any power lines, trolley wires, lamp posts, street trees, catch basins, and fire hydrants situated near the work zones to ensure they are not impacted by construction activities.

### 4.4 Schools and Religious Institutions

There are two elementary schools — Trafalgar Elementary and Lord Kitchener Elementary — near the work zone that may be impacted by construction. As such, any directional or full road closures along West King Edward Avenue will be implemented on approved weekends only to minimize impacts.

In addition, any religious institutions near the work zone may also be impacted by road closures. The City construction crews will need to liaise with representatives from the institutions to minimize impacts.

### 4.5 Solid Waste Collection

As any full or directional closures along West King Edward Avenue will be implemented on approved weekends only, significant impacts to solid waste collection are not expected as these services typically

only operate on weekdays. In some circumstances during weekday construction along West King Edward Avenue, collection vehicles may be required to use adjacent parallel routes.

#### **4.6 Special Generators**

Information of any special events in the vicinity of the project will be provided by the City. If there is potential overlap, the City construction crews shall liaise with representatives to minimize impacts and encourage alternate routes and modes of travel.



## 5 TRAFFIC CONTROL PLAN

The proposed traffic control layouts to support the upgrades construction will require temporary lane closures and traffic shifts for each construction stage.

### 5.1 Traffic Control Design

The implementation of the lane tapers and any geometric changes should conform to Table A in the *Traffic Management Manual for Work on Roadways*, as shown in **Figure 5-1**, if feasible. The sign spacing requirements can be obtained from Table B in the *Traffic Management Manual for Work on Roadway*, which are shown in **Figure 5-2**. On urban streets, sign spacing may have to be shortened due to the length of city blocks. Additional advance warning signs may be required because of extra intersections created by alleys and accesses, and care should be taken to ensure that signs are not hidden by parked vehicles.

TABLE A – TAPER LENGTHS									
Taper Types (m)		Regulatory Speed Limit before Work Begins (km/h)							
		≤50	60	70	80	90	100	110	120
Merge Taper Length	$L_M$	35	55	160	190	210	230	250	280
Lane Shift Taper Length	$L_L$	30	50	80	100	110	120	130	140
Downstream Taper Length	$L_D$	30	30	30	30	30	30	30	30
TCP, Signal, and Shoulder Taper Length (min. 5 devices)	$L_S$	5	8	15	15	15	15	15	15
Minimum Tangent Length between Tapers	$L_T$	30	60	160	190	210	230	250	280
Run-In Length on Centreline	$L_R$	40	50	60	60	70	80	90	100

Figure 5-1: BC MOTI Taper Length Requirements

TABLE B – DEVICE SPACING LENGTHS									
Device Spacing (m)		Regular Posted Speed Limit (km/h)							
		≤50	60	70	80	90	100	110	120
Construction Sign Spacing	A	40	60	80	100	150	150	200	200
Buffer Space	B	30	40	60	80	110	140	170	200
Roll-Ahead Buffer Distance	R	30	30	40	40	40	50	50	50
Channelizing Device Spacing for Tapers	C	10	10	15	15	15	15	15	15
Channelizing Device Spacing on Curves and Tangents	D	10	10	30	30	40	40	40	50

Figure 5-2: BC MOTI Sign Spacing Requirements

The City and the traffic control company are required to review the BC MOTI requirements and make necessary adjustments to suit the field conditions, while maintaining safe and efficient vehicular movements through the work zones. The City will also be responsible for the reinstatement of roadways, intersections, and traffic controls to pre-construction conditions.

## 5.2 Traffic Control Plan Drawings

The TCP drawings are prepared in accordance with the *Traffic Management Manual for Work on Roadways*. Three TCP drawings are attached in **Appendix C** and show the proposed layouts of traffic control devices during construction along West King Edward Avenue between Dunbar Street and Arbutus Street. The remaining TCP drawings will be provided at a later date to facilitate construction from July 2022 to May 2024.



## 6 INCIDENT MANAGEMENT PLAN

The objective of an Incident Management Plan is to prepare for unforeseen events such as vehicle collisions, unexpected construction issues causing disruption to traffic, utility issues on roadways, or any other incidents that may impede normal traffic flow and require additions or adjustments to the proposed traffic control measures outside of this TMP. Please refer to the WorkSafe BC Occupational Health and Safety Regulation Part 18: *Traffic Control* for additional information regarding the standard operating procedures for incidents and emergencies.

The Incident Management Plan establishes protocols to follow in order to maintain efficient access for emergency services responding to the incidents, enable safe traffic movements around the incident, and reduce the time required to restore traffic flow when the incident concludes. Changes to the traffic control layout will need to provide safe travel routes in the vicinity of any incident; however, the impact on road users on the affected roadways will be dependent on the nature of the incident.

In the event that the incident is considered to be a long-term event, the Traffic Control Supervisor, should determine the required traffic control measures according to BC MOTI's *Traffic Management Manual for Work on Roadways* and implement them accordingly.

To ensure a quick response in implementing the Incident Management Plan during an actual occurrence, the City shall ensure that all appropriate personnel are familiar with the incident management procedures outlined in the plan. Resources needed for responding to emergencies will need to be readily available at all times, and the City should be prepared to use materials from other construction areas as needed. The Traffic Control Supervisor should be adaptive in responding to emergencies and be able to provide efficient coordination of responses.

### 6.1 Detection of Incidents in the Vicinity of Construction Zone

The designated Traffic Control Supervisor will monitor the areas within, and in the vicinity of the construction zone. The City should be able to detect incidents in or near the work zone during work hours and have qualified traffic control personnel manage the required changes to the planned traffic control layouts, and subsequently provide cleanup operations. In addition, the City should be ready at any time to provide immediate response measures and notifications as described in this Incident Management Plan during an incident. Once an event is detected, the Traffic Control Supervisor is required to immediately respond to the event.

If any construction crew detects and/or responds to an incident, he/she must relay all relevant information to the Traffic Control Supervisor, the foreman and any responding emergency services. If a serious traffic incident occurs on the worksite, he/she must IMMEDIATELY CALL 9-1-1 and report it to the Vancouver Police Department (VPD). Key information includes the location of the incident, the number of people involved and their conditions, along with any particular conditions such as accessibility issues, fire, or electrical hazards.



## 6.2 Emergency Service Stations

The following emergency service stations are in the vicinity of the Project area:

- Vancouver Fire Rescue Services – Fire Hall #12 (Balaclava Street and W. 8<sup>th</sup> Avenue)
- Vancouver Fire Rescue Services – Fire Hall #21 (Carnarvon Street and W. 38<sup>th</sup> Avenue)
- BC Children’s Hospital (Oak Street and W. 28<sup>th</sup> Avenue)
- Vancouver General Hospital (Oak Street and W. 12<sup>th</sup> Avenue)
- BC Ambulance Service – Station 243 (Arbutus Street and W. 13<sup>th</sup> Avenue)

## 6.3 Public Media Notification

The Traffic Control Supervisor will document any incidents within or in the vicinity of the work zone and relay all relevant information to the City. The City will be the official contact for local radio stations and other media outlets in providing up-to-date traffic information, as necessary.

## 6.4 Emergency Contact

A list of emergency contacts has been developed for the Project, which is located in **Section 7.3** of this TMP. The City will update this list to ensure that the contact information is correct. It is expected that the City construction crews will keep copies available at the site office so that it can be accessed at all times throughout the Project.

## 6.5 Emergency Responder Access

### 6.5.1 During Incident

The Traffic Control Supervisor should ensure that adequate staging and parking area is provided for emergency responders when they arrive at the incident location. If possible, the space being provided for the emergency responders is preferably the area already closed off to general traffic in the planned traffic control layout in order to minimize further disruption to the through traffic. Since there may be only one lane in each direction maintained on West King Edward Avenue during construction and the emergency responders may need to fully occupy the lane, a temporary detour to parallel roadways could be required.

During the period when emergency responders are attending to the incident, the Traffic Control Supervisor is to ensure that only vehicles required for emergency responses have access to the incident location.

### 6.5.2 Resuming Traffic

When the incident has concluded, the City crew will clear the incident area of vehicles and debris before restoring the flow of traffic to normal or as planned in this TMP. A survey should be conducted to determine if there is any damage to the existing infrastructure in the vicinity of work zone so that it can be addressed immediately.



If significant damage to the local infrastructure or traffic inventories is caused by the incident, the affected areas should be protected from the general traffic and public. The damage should be repaired by the City.

### **6.5.3 Procedure Summary**

If an incident occurs within or in close proximity to the work zone, the City Operations Site Supervisor and the Traffic Control Supervisor shall be immediately alerted. The site Foreman and First Aid Attendant will provide instructions to all on-site staff.

## **6.6 Reporting**

The Traffic Control Supervisor is responsible for reviewing all incidents with the Site Superintendent to investigate whether they could be avoided by modifying the work area and the traffic control layout. After a traffic incident, a Traffic Incident Management Report should be filled out. Subsequently, the Traffic Control Supervisor will discuss the incident with City personnel and the City Operations Supervisor. Modifications may result based on the discussions to prevent future incidents.

## **6.7 Site Safety**

For the duration of the construction, the Traffic Control Supervisor will be responsible for the traffic control safety of the work site. The Traffic Control Supervisor should record any field changes in a log and on paper copies of the TCPs.

## **6.8 TCP Modification Procedure Plan**

During construction, deviation from the TCP design may be required to field fit the plans. The following section provides a general guideline for when a qualified Professional Engineer who is the Engineer-of-Record of the design should be notified of a deviation or be consulted to review.

- Minor modifications, such as adjusting taper lengths to accommodate truck maneuvering, additional parking restriction, maintain driveway access, increasing sign spacing, adjusting buffer lengths, or addressing observed field conditions (for example: poor weather, observed speeds greater than posted speed, etc.), may be performed by the Traffic Control Supervisor on-site without the need to consult with the Engineer-of-Record.
- Moderate modifications, such as adding a turn lane, shifting the bike share lane area, extending the work zones or pedestrian/cyclist closures, or adding or removing signs may be adjusted by the Traffic Control Supervisor on-site; however, the Engineer-of-Record would need to review and approve such modifications prior to implementation in writing. The Traffic Control Supervisor or a designate from the TDM group should provide a sketch of the changes to the Engineer-of-Record at least 24 hours prior to the changes being implemented.
- Major modifications such as shifting lane drop zones downstream, closing of an additional travel lane, implementing single lane alternating traffic, or full closures would need to be reviewed by the Engineer-of-Record. The Traffic Control Supervisor or a designate from the



TDM group should provide a sketch of the changes to the Engineer-of-Record at least 48 hours prior to changes so that new TCP drawings can be prepared.

For emergencies and short duration work/events – Moderate and Major modifications may be adjusted by the Traffic Control Supervisor on-site without the need to consult with the Engineer-of-Record in an emergency, to facilitate short duration deliveries, or to allow truck or bus maneuvering.

## 7 PUBLIC INFORMATION PLAN

The City is required to communicate effectively with members of the local community regarding the upcoming construction activities with the Project neighbourhood. The public communication strategies listed in this section should be consulted and implemented by the City. Refer to the Communications Plan for further public communications information.

### 7.1 Advance Signage

The City will be responsible for placing Portable Changeable Message Signs (CMS) on roadways to advise motorists of the construction along West King Edward Avenue. The CMS will show information regarding when the construction is occurring and the location where it would impact. The CMS shall be implemented at least one week prior to the start of the construction activities to provide sufficient notice to road users. There are five proposed CMS locations in the vicinity of the Project area.

The proposed CMS locations are summarized in **Table 7-1: CMS Locations**

Board Number	Sign Location
<b>B 200</b>	Arbutus Street south of West King Edward Avenue facing northbound traffic
<b>B 201</b>	West King Edward Avenue west of Angus Drive facing westbound traffic
<b>B 210</b>	Arbutus Street north of West King Edward Avenue facing southbound traffic
<b>B 437</b>	Dunbar Street north of West 21st Avenue facing southbound traffic
<b>B 438</b>	Dunbar Street south of West 28th Avenue facing northbound traffic

Static advisory signs will be placed at strategic locations in the surrounding road network to advise road users of the construction work along roadways that caution around the work zone is required. The proposed static advisory sign locations are summarized in Error! Reference source not found..

Table 7-2: Static Advisory Sign Locations

Sign Number	Sign Location
<b>1</b>	West King Edward Avenue west of Highbury Street facing eastbound traffic
<b>2</b>	Dunbar Street north of West 20th Avenue facing southbound traffic
<b>3</b>	Dunbar Street south of West 32nd Avenue facing northbound traffic
<b>4</b>	MacKenzie Street south of West 32nd Avenue facing northbound traffic
<b>5</b>	Macdonald Street north of West 20th Avenue facing southbound traffic
<b>6</b>	Arbutus Street north of West 20th Avenue facing southbound traffic
<b>7</b>	Arbutus Street south of West 32nd Avenue facing northbound traffic
<b>8</b>	West King Edward Avenue west of Angus Drive facing westbound traffic

. Refer to **Appendix E** for a map of the CMS and static sign locations.

Table 7-1: CMS Locations

Board Number	Sign Location
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<b>B 200</b>	Arbutus Street south of West King Edward Avenue facing northbound traffic
<b>B 201</b>	West King Edward Avenue west of Angus Drive facing westbound traffic
<b>B 210</b>	Arbutus Street north of West King Edward Avenue facing southbound traffic
<b>B 437</b>	Dunbar Street north of West 21 <sup>st</sup> Avenue facing southbound traffic
<b>B 438</b>	Dunbar Street south of West 28 <sup>th</sup> Avenue facing northbound traffic

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Table 7-2: Static Advisory Sign Locations

Sign Number	Sign Location
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<b>3</b>	Dunbar Street south of West 32 <sup>nd</sup> Avenue facing northbound traffic
<b>4</b>	MacKenzie Street south of West 32 <sup>nd</sup> Avenue facing northbound traffic
<b>5</b>	Macdonald Street north of West 20 <sup>th</sup> Avenue facing southbound traffic
<b>6</b>	Arbutus Street north of West 20 <sup>th</sup> Avenue facing southbound traffic
<b>7</b>	Arbutus Street south of West 32 <sup>nd</sup> Avenue facing northbound traffic
<b>8</b>	West King Edward Avenue west of Angus Drive facing westbound traffic

## 7.2 Construction Notice

Written notices by the City will be delivered to members of the local community in advance of the construction regarding the potential impacts on traffic it may have. Written notices should also be delivered to local emergency services agencies, schools, and stakeholders in the vicinity of the construction area in advance of the implementation of the TMP.

At the site, a project sign indicating the Project name and key contact information is expected to be installed at a location visible to the general public. If feasible, construction and traffic updates should be posted at the site and/or on the City's Project website to provide up-to-date information to the public.

## 7.3 Contact List

A contact list has been developed for this TMP and it is expected to be adjusted as needed throughout the Project. It will need to be available on-site and accessible at all times for the duration of the Project. The contact list is located on the following page.

## 7.4 Communication Plan

The West King Edward Avenue Project Communication Plan is provided by the City, which is a living document that is constantly updated as required. The latest revision of the Communications Plan is to be provided by the City.



City of Vancouver	Email	Office	Cell
Ivan Malis (Project Manager)	Ivan.Malis@vancouver.ca	604-873-7392	604-363-8405
Alan Kerstetter (Project Coordinator)	Alan.Kerstetter@vancouver.ca	604-829-4340	604-404-1553
Michelle Li (TDM Traffic Coordinator)	Michelle.Li@vancouver.ca	-	604-754-6358
Chris McLaren (Construction Lead)	Chris.McLaren@vancouver.ca	604-829-9432	604-679-2710

Binnie	Email	Office	Cell
Ava Li (Project Manager)	ALi@binnie.com	778-945-6155	-
Kelly Bullivant (Traffic Engineer of Record)	KBullivant@binnie.com	778-945-6067	-

ANSAN	Email	Office	Cell
Bonnie Fitzpatrick (Traffic Control Supervisor)	bfitzpatrick72@gmail.com	-	604-767-5213

Emergency/Public Services		
Public Agency	Emergency	Non-Emergency
Vancouver	311	604-873-7000
Ambulance	911	604-872-5151
Vancouver Police Department	911	604-717-3321
Vancouver Fire Rescue Services (Fire Hall #12)	911	604-665-6012
Vancouver Fire Rescue Services (Fire Hall #21)	911	604-665-6021
Vancouver General Hospital	911	604-875-4111
Richmond General Hospital	911	604-278-9711
BC Children's Hospital	911	604-875-2345
BC Hydro	1-888-769-3766	-
FortisBC Gas Underground Pipeline	1-800-663-9911	1-888-224-2710
TELUS/TELUS Trouble Centre	611	1-888-811-2323
Shaw/Shaw Support Centre	-	1-888-472-2222
BC One Call	-	1-800-474-6886
Provincial Emergency Preparedness (PEP)	1-800-663-3456	-
Earthquake/Flood/Dangerous Goods Spill	1-800-663-3456	-
BC Trucking Association	-	604-888-5319

## 8 IMPLEMENTATION PLAN

### 8.1 Traffic Control Supervisor

The City will coordinate the traffic control for the Project and a Traffic Control Supervisor will be designated prior to the implementation of this TMP. The Traffic Control Supervisor will be responsible for the following tasks, but not limited to:

- Oversees the traffic control operations and implements the TCP as per the BC MOTI guidelines and details outlined in this TMP
- Oversees modifications to the TMP as required and documents the modifications in a log as well as on paper copies of the TCP
- Has full authority over all the traffic control personnel on-site
- Monitors traffic operations to determine the effectiveness of the TCP
- Reports traffic concerns to the Site Superintendent and the City
- Notifies the City and emergency personnel of any major incidents within or near the project locations
- Directs the Incident Management Plan
- Directs the Public Information Plan
- Directs the Implementation Plan
- Ensures compliance with the requirements of Part 18 of the WorkSafeBC's Occupational Health and Safety Regulations regarding supervision of the traffic control personnel at the work zone
- Checks and maintains the traffic signages

### 8.2 Traffic Control Personnel

Traffic Control Personnel should be qualified in training according to WorkSafeBC for the assigned tasks. The Traffic Control Personnel will be responsible for the following tasks, but not limited to:

Attends and participates in regular on-site safety meetings with the Traffic Control Supervisor

- Participates in all regular safety meetings
- Report to the Traffic Control Supervisor before shifts commence
- Ensure compliance with the requirements outlined in Part 18 – Traffic Control of WorkSafeBC's Occupational Health and Safety Regulations
- Implement the set up and take down of lane closures and/or detours
- Manage traffic in accordance with the Traffic Control Plan drawings
- Communicate with the public effectively by using standard traffic control motions and signals that are precise and clearly understood by all road users
- Direct traffic from visible and safe positions
- Respond to emergency situations and hazards



- Install and remove traffic control devices
- Modify the Traffic Control Plan drawings as required and report them to the Traffic Control Supervisor

### 8.3 Traffic and Data Management Group

The City's TDM group will be responsible for the following tasks, but not limited to:

- Reviews and accepts the Project's TMP and TCPs
- Requests new TCPs or requests modifications to existing TCPs
- Assigns traffic and time restrictions
- Works with the Project team and Traffic Control Supervisor to design and modify TCPs
- Works with the Project team to manage public complains related to traffic control.

### 8.4 Implementation

The Traffic Control Supervisor working on-site will be responsible for inspecting and adjusting traffic control devices deployed in the field. The procedures outlined below will be followed:

#### 8.4.1 Before Work Starts

- Inspects and fix all construction signs and traffic control devices if they are maintained during off-hours
- Implements all construction signage and traffic control devices as per the correct TCP
- Covers any conflicting signs or ones that are not required as per the TCP drawings
- Confirms the traffic management strategies for the day's activities
- Conducts an inspection to check the effectiveness of signing and traffic control devices

#### 8.4.2 During Work Hours

- Checks all construction signs and traffic control devices on a regular basis
- Conducts spot maintenance as required
- Adjusts signs as required and keep records of any changes
- Ensures that all roadways utilized by workers are kept clean and free of dust and debris
- Coordinates road sweeping activities as required
- Ensures pedestrians and cyclist can navigate around the site safely

#### 8.4.3 Close Down Each Day

- Conducts a pre-close down inspection
- Removes unnecessary construction signage and traffic control devices that are not required
- Installs delineation devices where required
- Records details of inspection and any changes made to the layout

## 8.5 Site Safety

For the duration of the construction, the Traffic Control Supervisor will be responsible for the traffic control safety of the work site. The Traffic Control Supervisor is to document any modifications to the TCP in a log as well as on paper copies of the TCP. The Traffic Control Supervisor is responsible to conduct a daily check for all traffic control of the work site to ensure that it is implemented per the BC MOTI guidelines as well as details outlined in this TMP.



## **APPENDIX A**

**CONSTRUCTION SEQUENCING AND SCHEDULE (TO BE PROVIDED)**

## **APPENDIX B**

### **TRAFFIC RESTRICTIONS**



## King Edward Upgrades

If the restrictions below cannot be met, approval from TDM is required and may require escalation to management.

Location	Restriction Type	Restriction
Pedestrian Facilities	Pedestrian Traffic	<ul style="list-style-type: none"> <li>Only 1 crosswalk or sidewalk may be closed at a time. If more than 1 crosswalk or sidewalk closure is required, pedestrian provisions must be retained.</li> <li>Crosswalks and sidewalks must be reopened after work hours.</li> <li>Pedestrian closure notices should be posted at closest crossings.</li> <li>See the <a href="#">Construction on Pedestrian Facilities Guide</a>.</li> </ul>
Bicycle Routes	Bicycle Traffic	<ul style="list-style-type: none"> <li>Bicycles should be retained on the roadway when feasible (local street bikeway).</li> <li>Dismount &amp; walk requires TDM approval.</li> <li>See the <a href="#">Construction on Bicycle Routes Guide</a>.</li> </ul>
Traffic Signals	Vehicle Traffic	<ul style="list-style-type: none"> <li>Signal head modifications or VPD TAs are generally required for centreline crossovers through signal controlled intersections.</li> <li>Signal timing modifications may be required when lane closures are in loop-detected lanes or for lane closures near or at signal-controlled intersections. Signal timing modifications are likely required for lane closures at semi or fully actuated signals.</li> <li>At least 15 business days' notice is required for installation and removal of signal modifications that do not require procurement of new devices or equipment. Traffic impacts must be confirmed before notice is given. More time may be required for complex modifications, if procurement of equipment is required, or if staff resources are at capacity.</li> <li>Refer to the "Traffic Control Plan Review Criteria for Temporary Signal Modifications" document.</li> </ul>
King Edward	Vehicle Traffic	<ul style="list-style-type: none"> <li>Retain 1 lane each direction midblock or otherwise noted below - no time restrictions</li> <li>Retain 1 lane each direction and WB left turn lane at Dunbar St and Quesnel Dr intersections - no time restrictions</li> <li>Retain 1 lane each direction, WB right turn lane, and EB left turn storage at Macdonald St intersection - no time restrictions</li> <li>Retain 1 through/right lane in each direction with EB/WB left turn bays at Arbutus St intersection - no time restrictions</li> <li>Retain 1 lane in each direction with left turn restrictions at Arbutus - weekdays 9:30am-3pm</li> <li>Dedicated turn lanes or storage cannot be retained per above or further restrictions - approved weekends only and approval from TDM is required to restrict turns</li> <li>SLAT, directional, or full closure - approved weekends only</li> </ul>
	Bicycle Traffic	<ul style="list-style-type: none"> <li>Bicycle provisions must be retained (1.5m per direction) on W King Edward Ave from Quesnel Dr to Arbutus Greenway, or bike detour route in place.</li> <li>Share the lane is acceptable for lengths of one block or less on W King Edward Ave from Quesnel Dr to Arbutus Greenway.</li> <li>Share the lane is acceptable on W King Edward Ave from Dunbar St to Quesnel Dr.</li> </ul>
	Transit	<ul style="list-style-type: none"> <li>Transit buses must be retained on W King Edward Ave.</li> <li>Bus stop closures/relocations must be coordinated with CMBC.</li> </ul>

		<ul style="list-style-type: none"> <li>Temporary bus stops in the centre median may be required, which may require temporary sidewalks/bus pads and crosswalks.</li> </ul>
	Truck Traffic	<ul style="list-style-type: none"> <li>Trucks must be retained on W King Edward Ave from Quesnel Dr to Macdonald St.</li> <li>Truck movements must be retained at Quesnel Dr and Macdonald St intersections. Turn restrictions must be reviewed and accepted by TDM.</li> </ul>
Dunbar	Vehicle Traffic	<ul style="list-style-type: none"> <li>Retain 1 lane each direction and NB/SB left turn lanes - no time restrictions</li> <li>Dedicated turn lanes or storage cannot be retained per above - approved weekends only and approval from TDM is required to restrict turns</li> <li>SLAT, directional, or full closure - approved weekends only</li> </ul>
	Bicycle Traffic	<ul style="list-style-type: none"> <li>Share the lane is acceptable.</li> <li>For a directional vehicular closure, a 1.5m wide bicycle provision must be retained in the same direction.</li> <li>For a full closure, a 3.0m wide bicycle provision or two 1.5m wide bicycle provisions must be retained.</li> </ul>
	Transit	<ul style="list-style-type: none"> <li>Transit buses must be retained or a reroute must be coordinated with CMBC. SLAT for buses with pole pullers is acceptable on weekends.</li> <li>If transit buses cannot be retained on the existing trolley wires, trolley wire relocation or pole pullers must be coordinated with CMBC.</li> </ul>
	Truck Traffic	<ul style="list-style-type: none"> <li>Trucks must be retained on Dunbar St.</li> </ul>
Blenheim	Vehicle Traffic	<ul style="list-style-type: none"> <li>Retain 1 lane each direction - no time restrictions</li> <li>SLAT, directional, or full closure - as approved by TDM</li> </ul>
Balaclava	Vehicle Traffic	<ul style="list-style-type: none"> <li>SLAT, directional, or full closure - no time restrictions</li> </ul>
	Bicycle Traffic	<ul style="list-style-type: none"> <li>Share the lane is acceptable.</li> <li>During work hours: If a bike provision cannot be retained, dismount and walk with TCP to assist</li> <li>Outside of work hours: Bicycles are to be retained on the road surface whenever feasible. If not feasible, bike detour or dismount and walk. Ensure at least 1 crossing is retained.</li> </ul>
Quesnel	Vehicle Traffic	<p>North of King Ed</p> <ul style="list-style-type: none"> <li>SLAT, directional, or full closure - no time restrictions</li> </ul> <p>South of King Ed</p> <ul style="list-style-type: none"> <li>Retain 1 lane each direction - no time restrictions</li> <li>SLAT, directional, or full closure - approved weekends only</li> </ul>
	Bicycle Traffic	<ul style="list-style-type: none"> <li>Share the lane is acceptable.</li> <li>During work hours: If a bike provision cannot be retained, dismount and walk</li> <li>Outside of work hours: Bicycles are to be retained on the road surface whenever feasible. If not feasible, bike detour or dismount and walk. Ensure at least 1 crossing is retained.</li> </ul>
	Transit	<ul style="list-style-type: none"> <li>Transit buses must be retained or a reroute must be coordinated with CMBC. SLAT for buses is acceptable on weekends.</li> </ul>
	Truck Traffic	<ul style="list-style-type: none"> <li>Trucks must be retained on Quesnel Dr south of W King Edward Ave.</li> </ul>
Macdonald	Vehicle Traffic	<ul style="list-style-type: none"> <li>Retain 1 lane each direction and SB left turn lane - no time restrictions</li> <li>Retain 1 lane each direction - approved weekends only or with TDM approval</li> <li>Work within the Macdonald and King Ed intersection - approved weekends only</li> <li>SLAT, directional, or full closure - approved weekends only</li> </ul>
	Transit	<ul style="list-style-type: none"> <li>Transit buses must be retained or a reroute must be coordinated with CMBC. SLAT for buses is acceptable on weekends.</li> </ul>



	Truck traffic	<ul style="list-style-type: none"> <li>Trucks must be retained on Macdonald St north of W King Edward Ave.</li> </ul>
Valley	Vehicle Traffic	<ul style="list-style-type: none"> <li>SLAT, directional, or full closure - no time restrictions</li> </ul>
	Bicycle Traffic	<ul style="list-style-type: none"> <li>Share the lane is acceptable.</li> <li>During work hours: Dismount and walk is acceptable at the W King Edward Ave intersection with TCP to assist cyclists.</li> <li>Outside of work hours: Bicycles retained on the road surface when feasible. A 3.0m wide two-way bicycle provision or two 1.5m wide bicycle provisions is acceptable. Otherwise, bike detour route. At least one crossing must be retained.</li> </ul>
Arbutus	Vehicle Traffic	<ul style="list-style-type: none"> <li>Retain 1 lane each direction and NB/SB left turn lanes - no time restrictions</li> <li>Retain 1 lane in each direction - weekdays 9:30am-3pm</li> <li>Median crossovers, SLAT, directional closures - approved weekends only</li> </ul>
	Bicycle Traffic	<p>Summer (May - Sept)</p> <ul style="list-style-type: none"> <li>Bicycles must be retained on the Arbutus Greenway. A 3.0m wide two-way bicycle provision is acceptable.</li> </ul> <p>Fall (Oct - Apr)</p> <ul style="list-style-type: none"> <li>Bicycles should be retained on the Arbutus Greenway whenever possible. Otherwise, a 3.0m wide two-way bicycle provision or bike detour route is acceptable.</li> <li>Dismount and walk with TCP to assist at the King Ed and Arbutus intersection is acceptable during work hours</li> <li>Dismount and walk or "Walk Bikes or Ride Slowly" north and south of the intersection - acceptable with TDM approval</li> <li>Further restrictions - with TDM approval</li> </ul>
	Transit	<ul style="list-style-type: none"> <li>Transit buses must be retained or a reroute must be coordinated with CMBC. SLAT for buses with pole pullers is acceptable on weekends.</li> <li>If transit buses cannot be retained on the existing trolley wires, trolley wire relocation or pole pullers must be coordinated with CMBC.</li> </ul>
	Truck Traffic	<ul style="list-style-type: none"> <li>Trucks must be retained on Arbutus St.</li> </ul>

#### Coordination with Adjacent Construction Sites:

The TMP and all TCPs for this project must be coordinated with adjacent construction sites, including but not limited to the following projects.

Work Type	Location	Timeline and Ongoing Impacts
Water	W King Edward Water Upgrades	<ul style="list-style-type: none"> <li>Planned for Q1 2022 to Q3 2022</li> <li>Lane closures on W King Edward Ave from Puget Dr to Arbutus St</li> </ul>
Streets	Kerrisdale Rapid Bus Intersection Improvements	<ul style="list-style-type: none"> <li>Deferred to 2022+</li> <li>Impacts TBD</li> <li>Impacts to east-west arterial network capacity should be coordinated to avoid simultaneous impacts where feasible.</li> </ul>
Streets	Curb ramp program	<ul style="list-style-type: none"> <li>Various locations including W King Edward Ave and Dunkirk St</li> <li>Impacts TBD</li> </ul>

## **APPENDIX C**

### **TRAFFIC CONTROL PLAN**



# TRAFFIC CONTROL SYMBOLS



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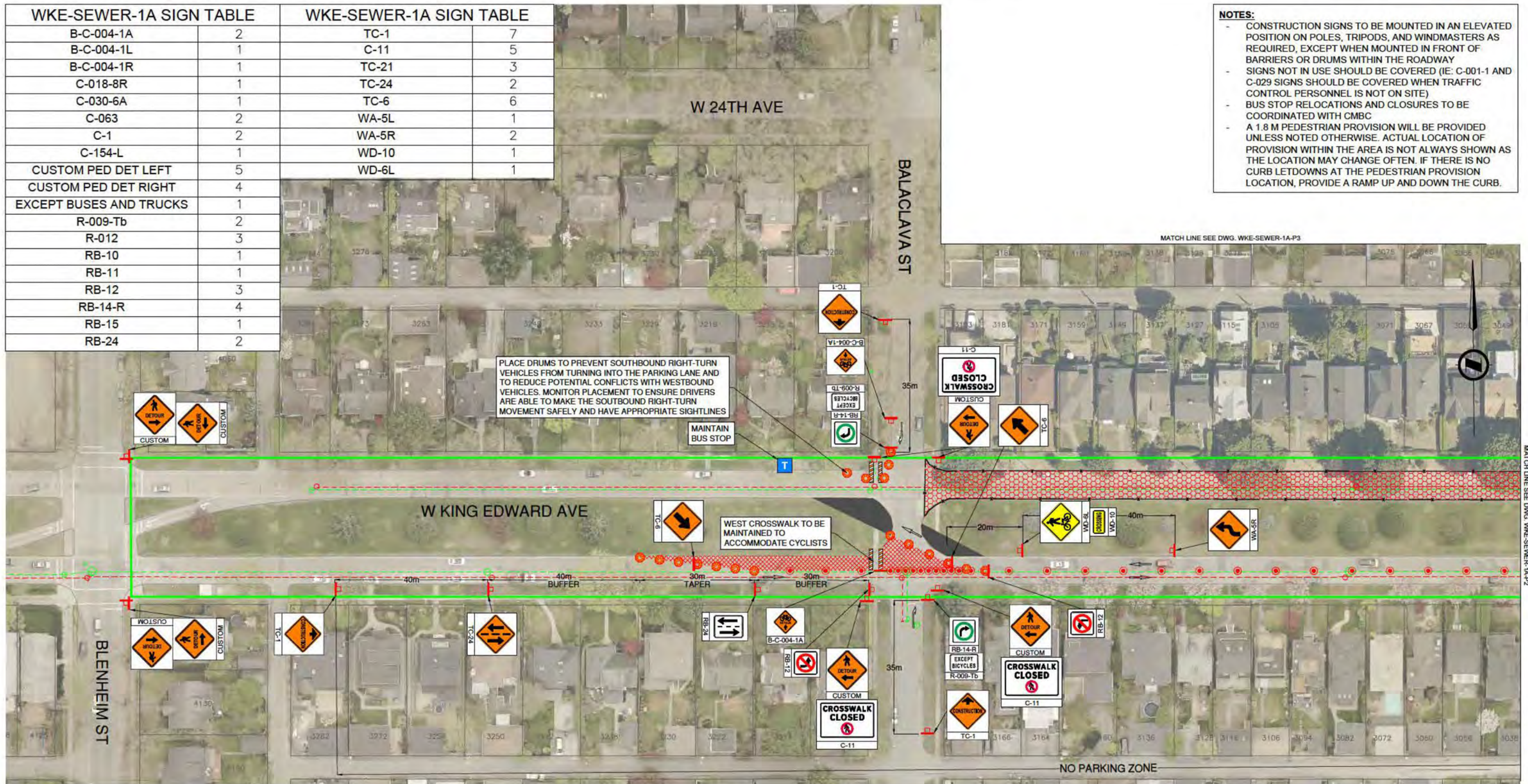


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**T**

WKE-SEWER-1A SIGN TABLE		WKE-SEWER-1A SIGN TABLE	
B-C-004-1A	2	TC-1	7
B-C-004-1L	1	C-11	5
B-C-004-1R	1	TC-21	3
C-018-8R	1	TC-24	2
C-030-6A	1	TC-6	6
C-063	2	WA-5L	1
C-1	2	WA-5R	2
C-154-L	1	WD-10	1
CUSTOM PED DET LEFT	5	WD-6L	1
CUSTOM PED DET RIGHT	4		
EXCEPT BUSES AND TRUCKS	1		
R-009-Tb	2		
R-012	3		
RB-10	1		
RB-11	1		
RB-12	3		
RB-14-R	4		
RB-15	1		
RB-24	2		

- CONSTRUCTION SIGNS TO BE MOUNTED IN AN ELEVATED POSITION ON POLES, TRIPODS, AND WINDMASTERS AS REQUIRED, EXCEPT WHEN MOUNTED IN FRONT OF BARRIERS OR DRUMS WITHIN THE ROADWAY
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**NOTE: HOLLOW ARROWS INDICATE DIRECTION OF TRAVEL ONLY. SOLID ARROWS TO BE PROVIDED AS PAVEMENT MARKINGS.**

MAXIMUM DISTANCE BETWEEN TUBULAR MARKER	10.0m
MAXIMUM DISTANCE BETWEEN BARRELS	5.0m
MINIMUM LANE WIDTH	3.5m
EXISTING POSTED SPEED	50km/h
CONSTRUCTION POSTED SPEED	50km/h
DESIGN VEHICLE	B-12

K. BULLIVANT  
ENGINEER OF RECORD  
DATE: JUNE 30, 2022

SCALE				CAD FILENAME <u>100PL-WKSLU-PYL 1A-22-0441.DWG</u> DATE <u>2022-06-</u>	
REV	DATE	REVISIONS			SIGNATURE
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The people behind road infrastructure

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TEL: 604-420-1725

DESIGNED K. BULLIVANT DATE JUNE 30, 2022  
 QUALITY CONTROL K. BULLIVANT DATE JUNE 30, 2022  
 QUALITY ASSURANCE M. WOO DATE JUNE 30, 2022  
 DRAWN D. SOLODKIN DATE JUNE 30, 2022

FINAL - FOR IMPLEMENTATION

## TRAFFIC CONTROL PLAN

### WEST KIND EDWARD UPGRADE

WEST KING EDWARD AT QUESNEL DRIVE SEGMENT 1A

FILE NUMBER	PROJECT NUMBER	REG	DRAWING NUMBER	REV
22-0441-00	22-0441	1	WKE-SEWER-1A-P1	0



TRAFFIC CONTROL SYMBOLS

FLEXIBLE TRAFFIC DRUMS

WORK ZONE

CLASS 1 BARRICADES

LANE CLOSURE AREA

TYPE-D TUBULAR MARKER

OPPOSING TRAFFIC LANE DIVIDERS

TRAFFIC SIGNAGE

CONCRETE BARRIER

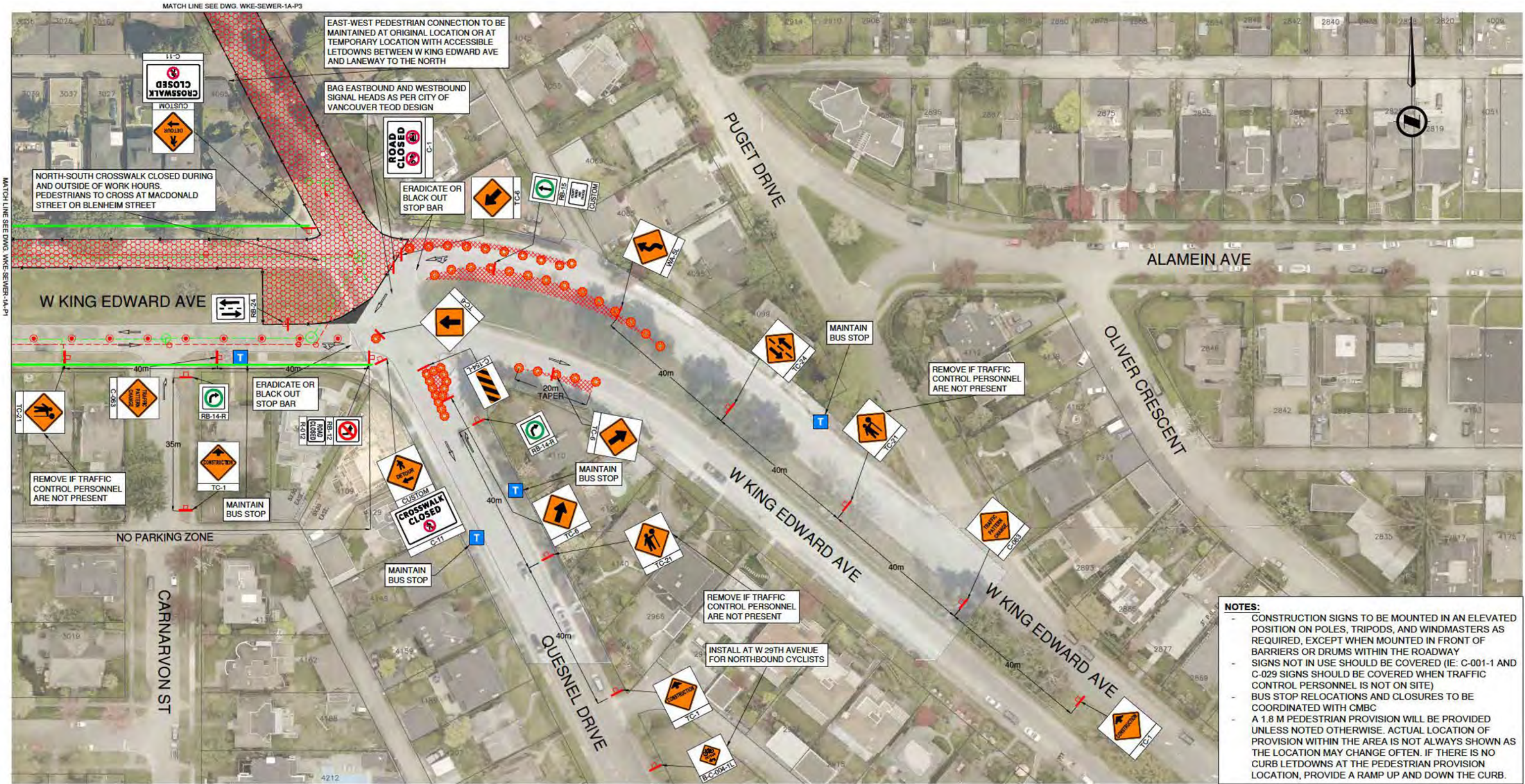
TRAFFIC CONTROL PERSONNEL

FENCE

VANCOUVER POLICE PERSONNEL

PEDESTRIAN DETOUR

BUS STOP



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DESIGN VEHICLE	B-12

K. BULLIVANT

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REV DATE REVISIONS SIGNATURE		DATE 2022-06-30
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		K.BULLIVANT

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Burnaby, BC V5C 4G5  
TEL: 604-439-5710  
BINNIE.COM

DESIGNED K. BULLIVANT DATE JUNE 30, 2022

QUALITY CONTROL K. BULLIVANT DATE JUNE 30, 2022

QUALITY ASSURANCE M. WOOD DATE JUNE 30, 2022

DRAWN D. SOLOVICK DATE JUNE 30, 2022

FINAL - FOR IMPLEMENTATION

TRAFFIC CONTROL PLAN

WEST KING EDWARD UPGRADE

WEST KING EDWARD AT QUESNEL DRIVE SEGMENT 1A

FILE NUMBER	PROJECT NUMBER	REV	DRAWING NUMBER	REV
22-0441-00	22-0441	1	WKE-SEWER-1A-P2	0



TRAFFIC CONTROL SYMBOLS

FLEXIBLE TRAFFIC DRUMS

WORK ZONE

CLASS 1 BARRICADES

LANE CLOSURE AREA

TYPE-D TUBULAR MARKER

OPPOSING TRAFFIC LANE DIVIDERS

TRAFFIC SIGNAGE

CONCRETE BARRIER

TRAFFIC CONTROL PERSONNEL

FENCE

VANCOUVER POLICE PERSONNEL

PEDESTRIAN DETOUR

BUS STOP



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350 - 8340 Canada Way  
Burnaby BC V5C 4K4  
TEL 604-666-5753  
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QUALITY ASSURANCE M. WOOD DATE JUNE 30, 2022  
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TRAFFIC CONTROL PLAN				
WEST KING EDWARD UPGRADE				
WEST KING EDWARD AT QUESNEL DRIVE SEGMENT 1A				
FILE NUMBER	PROJECT NUMBER	REV	DRAWING NUMBER	REV
22-0441-00	22-0441	1	WKE-SEWER-1A-P3	0

City of Vancouver - FOI 2023-268 - Page 39 of 138



TRAFFIC CONTROL SYMBOLS

FLEXIBLE TRAFFIC DRUMS

WORK ZONE

CLASS 1 BARRICADES

LANE CLOSURE AREA

TYPE-D TUBULAR MARKER

OPPOSING TRAFFIC LANE DIVIDERS

TRAFFIC SIGNAGE

CONCRETE BARRIER

TRAFFIC CONTROL PERSONNEL

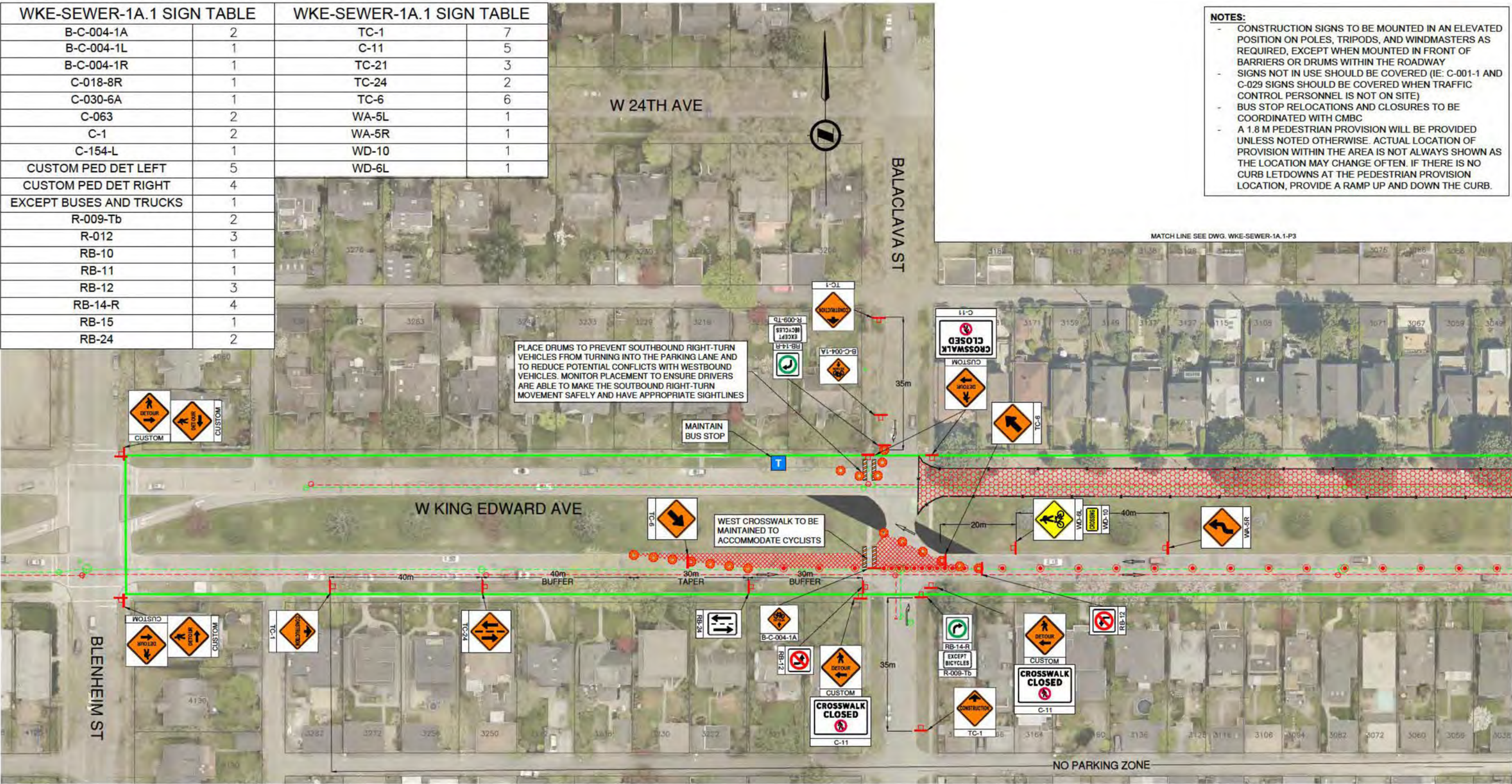
FENCE

VANCOUVER POLICE PERSONNEL

PEDESTRIAN DETOUR

BUS STOP

WKE-SEWER-1A.1 SIGN TABLE		WKE-SEWER-1A.1 SIGN TABLE	
B-C-004-1A	2	TC-1	7
B-C-004-1L	1	C-11	5
B-C-004-1R	1	TC-21	3
C-018-8R	1	TC-24	2
C-030-6A	1	TC-6	6
C-063	2	WA-5L	1
C-1	2	WA-5R	1
C-154-L	1	WD-10	1
CUSTOM PED DET LEFT	5	WD-6L	1
CUSTOM PED DET RIGHT	4		
EXCEPT BUSES AND TRUCKS	1		
R-009-Tb	2		
R-012	3		
RB-10	1		
RB-11	1		
RB-12	3		
RB-14-R	4		
RB-15	1		
RB-24	2		



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MAXIMUM DISTANCE BETWEEN BARRELS

MINIMUM LANE WIDTH

EXISTING POSTED SPEED

CONSTRUCTION POSTED SPEED

DESIGN VEHICLE

10.0m

5.0m

3.5m

50km/h

50km/h

B-12

K. BULLIVANT

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SCALE

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TEL: 604-439-5700  
BINNIE.COM

DESIGNED K. BULLIVANT DATE JUNE 30, 2022  
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QUALITY ASSURANCE M. WOOD DATE JUNE 30, 2022  
DRAWN D. SOLOKIN DATE JUNE 30, 2022

TRAFFIC CONTROL PLAN

WEST KING EDWARD UPGRADE

WEST KING EDWARD AT QUESNEL DRIVE SEGMENT 1A ADD-ON 1

FILE NUMBER	PROJECT NUMBER	REV	DRAWING NUMBER	REV
22-0441-00	22-0441	1	WKE-SEWER-1A.1-P1	0

City of Vancouver - FOI 2023-268 - Page 40 of 138



TRAFFIC CONTROL SYMBOLS

FLEXIBLE TRAFFIC DRUMS

WORK ZONE

CLASS 1 BARRICADES

LANE CLOSURE AREA

TYPE-D TUBULAR MARKER

OPPOSING TRAFFIC LANE DIVIDERS

TRAFFIC SIGNAGE

CONCRETE BARRIER

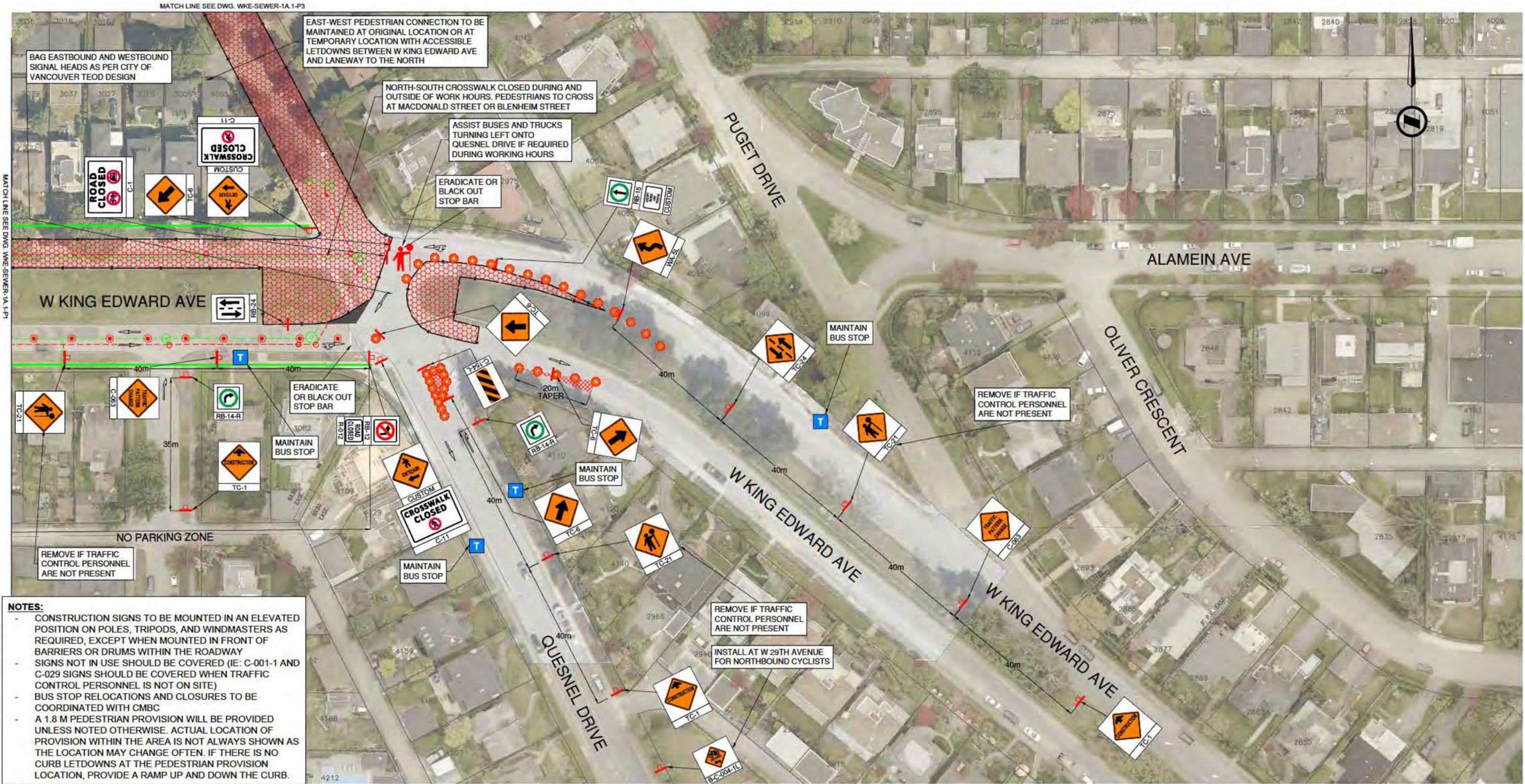
TRAFFIC CONTROL PERSONNEL

FENCE

VANCOUVER POLICE PERSONNEL

PEDESTRIAN DETOUR

BUS STOP



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<div>K. BULLIVANT</div> <div>ENGINEER OF RECORD</div> <div>DATE JUNE 30, 2022</div>	SCALE		<div>051:50025m</div> <div><div></div><div></div><div></div><div></div><div></div></div>	CAD FILENAME	100PL-WKEUP-PH-18-22-0441.DWG
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DESIGNED: K. BULLIVANT DATE: JUNE 30, 2022  
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QUALITY ASSURANCE: M. WOOD DATE: JUNE 30, 2022  
DRAWN: D. SOLOVICKIN DATE: JUNE 30, 2022

FINAL - FOR IMPLEMENTATION

TRAFFIC CONTROL PLAN  
WEST KING EDWARD UPGRADE  
WEST KING EDWARD AT QUESNEL DRIVE SEGMENT 1A ADD-ON 1

FILE NUMBER	PROJECT NUMBER	REV	DRAWING NUMBER	REV
22-0441-00	22-0441	1	WKE-SEWER-1A,1-P2	0



TRAFFIC CONTROL SYMBOLS

FLEXIBLE TRAFFIC DRUMS

WORK ZONE

CLASS 1 BARRICADES

LANE CLOSURE AREA

TYPE-D TUBULAR MARKER

OPPOSING TRAFFIC LANE DIVIDERS

TRAFFIC SIGNAGE

CONCRETE BARRIER

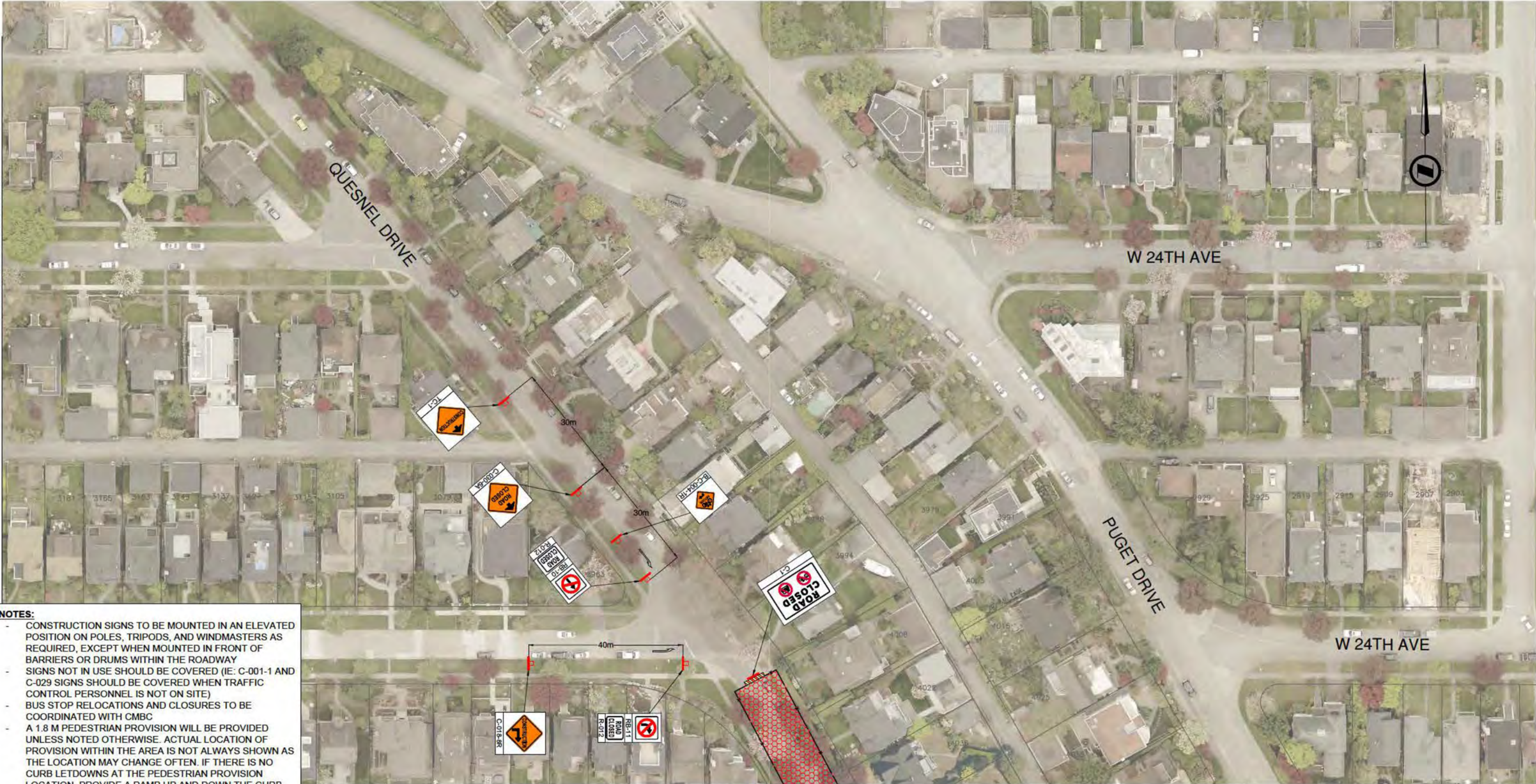
TRAFFIC CONTROL PERSONNEL

FENCE

VANCOUVER POLICE PERSONNEL

PEDESTRIAN DETOUR

BUS STOP



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Burnaby BC V5C 4K4  
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DESIGNED K. BULLIVANT DATE JUNE 30, 2022

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QUALITY ASSURANCE M. WOOD DATE JUNE 30, 2022

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TRAFFIC CONTROL PLAN  
WEST KING EDWARD UPGRADE  
WEST KING EDWARD AT QUESNEL DRIVE SEGMENT 1A ADD-ON 1

FILE NUMBER	PROJECT NUMBER	REV	DRAWING NUMBER	REV
22-0441-00	22-0441	1	WKE-SEWER-1A,1-P3	0

City of Vancouver - FOI 2023-268 - Page 42 of 138



TRAFFIC CONTROL SYMBOLS

FLEXIBLE TRAFFIC DRUMS

WORK ZONE

CLASS 1 BARRICADES

LANE CLOSURE AREA

TYPE-D TUBULAR MARKER

OPPOSING TRAFFIC LANE DIVIDERS

TRAFFIC SIGNAGE

CONCRETE BARRIER

TRAFFIC CONTROL PERSONNEL

FENCE

VANCOUVER POLICE PERSONNEL

PEDESTRIAN DETOUR

BUS STOP

WKE-SEWER-1A.2 SIGN TABLE

C-018-8R	1
C-1	1
C-11	3
CUSTOM PED DET LEFT	3
CUSTOM PED DET RIGHT	3
R-012	1
RB-11	1
TC-1	1
TC-6	1
TC-21	1



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DRAWN D. SOLOMON DATE JUNE 30, 2022

FINAL - FOR IMPLEMENTATION

TRAFFIC CONTROL PLAN				
WEST KING EDWARD UPGRADE				
WEST KING EDWARD AT COLLINGWOOD STREET SEGMENT 1A ADD-ON 2				
FILE NUMBER	PROJECT NUMBER	REV	DRAWING NUMBER	REV
22-0441-00	22-0441	1	WKE-SEWER-1A.2-P1	0



## **APPENDIX D**

### **CONSTRUCTION ON BICYCLE ROUTES AND PEDESTRIAN FACILITIES GUIDELINES**





# CONSTRUCTION ON BICYCLE ROUTES

## GUIDE 2020

Supplement to the British Columbia Ministry  
of Transportation and Infrastructure's 2015  
Traffic Management Manual for Work on Roadways

This is a reference guide for private contractors and City of Vancouver crews with planned construction in the City of Vancouver on a designated cycling route.

### Cyclists in Construction Zones

People cycling, skateboarding and rollerblading are found on the City's bicycle routes and should be safely accommodated through or around work zones. People using bicycle routes are vulnerable road users who have little protection from falls and collisions. Specific care and attention is necessary for construction on bicycle routes.

#### Step 1: Identify Existing Bike Facilities

The City's cycling network consists of several route types. The first step in addressing safety on cycling routes is to identify existing bike facilities within your work zone. Please refer to the City's Cycling Map (found on the back page of this brochure) to identify these facilities:

- **Protected Bike Lanes and Off-Street Paths** – People cycling are protected from motor vehicles by a physical barrier and have separate space from pedestrians.
- **Shared Pedestrian and Cyclist Pathway** – These shared paths are marked with a bike and pedestrian symbol
- **Local Street Bikeways** – People cycling share the roadway with motor vehicles on low volume traffic calmed local streets.
- **Painted Bike Lanes** – A painted bike lane typically located between a parking lane and a moving vehicle lane, or between a sidewalk and moving vehicle lane.
- **Shared Travel Lane** – A relatively busy general travel lane with symbols indicating the position for a person biking.

**AAA Cycling Network** – Vancouver's cycling routes consist of a core network of protected bike lanes, pathways, and traffic calmed local streets. These routes serve people of All-Ages-and-Abilities (AAA) and have higher bike volumes requiring specific care and attention.

**Mobi by Shaw Go Bike Share Station** – If a bike share station ([mobibikes.ca](http://mobibikes.ca)) is located in your work area please contact [publicbikeshare@vancouver.ca](mailto:publicbikeshare@vancouver.ca) at least seven days before construction.

### Step 2: Field Review and Context

After identifying existing bike facilities within your work zone, conduct a field review to understand facility characteristics and identify potential hazards. Examples of factors to observe and consider include:

- Bike volumes during expected work hours and after work hours. Consider what can be maintained during work hours versus after work hours
- Remaining road width – consider if there is space for a temporary bike provision
- Hazards on the road surface such as loose gravel and uneven surfaces
- Pedestrian and vehicle volumes – consider potential conflicts that may arise

#### Step 3: Choose a Temporary Measure

Priority should be given to maintain bike facilities. Consider reducing construction impacts or phasing work to maintain cycling. If after gathering information from Step 1 and 2, you have determined that you cannot maintain existing facilities, please use the City's Temporary Measures for Work on Bicycle Routes Table to choose a temporary measure for your work zone.

#### Width Requirements

To select a temporary measure, consider the City's width requirements:

- Pedestrian provision – 1.8 metres
- Bicycle provision one-way – 1.5 metres
- Bicycle provision two-way – 3 metres
- Shared pedestrian/bicycle provision – case-by-case basis, review with the City's Traffic & Data Management Branch



# TEMPORARY MEASURES FOR CONSTRUCTION ON BICYCLE ROUTES

Temporary measures should be prioritized as per the order listed in the table below.

HIGHEST  
PREFERENCE



LOWEST  
PREFERENCE

Temporary Measure	Location Requirements	Description and Implementation Considerations	
<b>Bicycle Provision</b>	<ul style="list-style-type: none"> <li>Used on any type of bicycle facility</li> <li>Consider where parking or a vehicle travel lane can be used to make space for a bicycle provision</li> </ul>	<ul style="list-style-type: none"> <li>Delineators or barricades are used to create a temporary bike lane</li> <li>A "Lane Closure Arrow" sign (C-053) should be used where bicycle traffic is being shifted from the existing bicycle facility into the bicycle provision</li> <li>A "Bike Lane Closed Ahead" sign should be placed in advance of the bicycle provision</li> </ul>	
<b>Bicycle Lane Closed - Take/Share the Lane</b>	<ul style="list-style-type: none"> <li>Used on painted bike lanes</li> <li>Used when a bicycle provision cannot be maintained and bike volumes are relatively low</li> </ul>	<ul style="list-style-type: none"> <li>A "Take the Lane" sign (C-184) or a City of Vancouver "Share the Lane" sign should be placed in advance of the lane closure taper</li> <li>A "Bike Lane Closed Ahead" sign should be placed in advance of the "Take/Share the Lane" sign</li> <li>A "Share the Road" (W-132-1) sign should not be used in the City of Vancouver</li> </ul>	
<b>Single Lane Alternating Bicycle Traffic (SLAT)</b>	<ul style="list-style-type: none"> <li>Used on two-way bike routes</li> <li>Used when the road width is sufficient to maintain a one-way bicycle provision (1.5 metres) but not sufficient to maintain a two-way bicycle provision (3.0 metres)</li> </ul>	<ul style="list-style-type: none"> <li>Two TCP's are required to perform SLAT for bikes and should be positioned on either side of the bicycle provision</li> <li>If a directional closure is used for vehicles and single lane alternating is used for bicycles, the "Single Lane Traffic" sign (C-030-8) should not be used to warn bicycles</li> </ul>	
<b>Bicycle Route Closed - Dismount and Walk</b>	<ul style="list-style-type: none"> <li>Used on any type of bicycle facility</li> <li>Bike volumes are low to medium</li> <li>Used when the road width is not sufficient to maintain cyclists through the work zone</li> <li>A sidewalk or walking path is present with relatively low pedestrian volumes</li> </ul>	<ul style="list-style-type: none"> <li>Dismount and walk should be reviewed by the City's Traffic &amp; Data Management Branch</li> <li>May be preferable to a bicycle detour if the closure length is relatively short</li> <li>A "Walk Bicycle" sign (B-R-101-2) with an "On Sidewalk" tab (B-R-101-Tc) or a City of Vancouver "Bicycle Dismount Walk on Sidewalk" sign should be placed at the beginning of the area where cyclists shall walk</li> <li>A City of Vancouver "Bicycle Lane Closed Ahead" sign should be placed in advance of the closure and a "Bicycle Lane Closed" sign (B-C-002) should be placed at the closure</li> <li>Temporary fixed-in-place ramps with a tactile surface on either side of the construction zone should be used to minimize the length cyclists will be on the sidewalk</li> </ul>	REVIEW WITH THE CITY'S TRAFFIC & DATA MANAGEMENT BRANCH
<b>Bicycle Detour Routes</b>	<ul style="list-style-type: none"> <li>Used on any type of bicycle facility</li> <li>Used when the road width is not sufficient to maintain cyclists through the work zone</li> <li>Where bike volumes are high and walking bikes on sidewalks is not practical</li> </ul>	<ul style="list-style-type: none"> <li>Bicycle detour routes should be reviewed by the City's Traffic &amp; Data Management Branch</li> <li>"Bicycle Detour" signs (B-C-004) and "Lane Closed" signs (B-C-002) are required, as shown in Figure 18.5 of the <i>MoTI Traffic Management Manual for Work on Roadways</i></li> <li>Whenever possible restore a bike provision on the roadway at the end of the work day and cover detour signage at the decision point</li> <li>Detours in which cyclists have to make left turns or cross arterial roadways without a signal or push-button crosswalk should be minimized</li> </ul>	

An "Except Bikes" tab (WA-145S-1) should be used on all vehicle "Road Closed" signs



PAVEMENT MARKINGS

- Bicycle**  
Indicates a bicycle route or lane.
- Special Reserved Lane**  
Indicates a reserved lane for the devices noted on associated signs or pavement markings. When combined with a bicycle this symbol indicates a dedicated bicycle lane. People cycling in the City of Vancouver are allowed to ride in these lanes.

**Sharrow (Shared Roadway)**  
Indicates a roadway shared with motor vehicles. The arrow shows where people cycling should generally position themselves.

**Bicycle with Arrow**  
Indicates the bike route direction is changing.

**Bicycle Pathway**  
Indicates an off-street cycling pathway.

**Shared Pathway**  
Indicates an off-street pathway shared by people walking and cycling.

**Crossbike (Elephant's Feet)**  
Identifies the area where people biking may be crossing to provide wayfinding along protected bike lanes at intersections.

**Green Paint**  
Highlights potential conflict areas with motor vehicles. Commonly used along protected bike lanes at intersections and driveways.

**Bicycle Box**  
Indicates where people cycling should position themselves at a red signal, allowing them to turn left, right, or go straight in advance of other vehicles.

**Bicycle Signal**  
Dedicated signal for people biking. Follow these signals as they indicate when it is safe to cross by bike and often eliminate conflicts with turning vehicles.

**Turning Left Using a Bike Box**  
1) Go straight through the intersection when the signal is green and wait in the turn box.  
2) Proceed left across the intersection when the signal changes.

MOST COMFORTABLE  
↑  
↓  
LEAST COMFORTABLE

- PROTECTED BIKE LANE**  
People cycling are protected from motor vehicles by physical barriers such as planters, curbs, or bollards; also includes off-street paths
- LOCAL STREET BIKEWAY**  
People cycling share the roadway with motor vehicles on a relatively quiet neighbourhood street
- PAINTED BIKE LANE**  
A portion of the roadway is designated for people cycling, typically located between a curb/parking lane and a driving lane
- SHARED USE LANE**  
A relatively busy street with painted markings that indicate where people cycling should position themselves

LEGEND

- T SkyTrain Station/ Bus Loop
- Train Station
- Bus Station
- SeaBus
- Passenger Ferry
- H Hospital
- C Community Centre
- S School

Disclaimer of responsibility: This map is produced as a guide to cycling routes in the City of Vancouver. The City, its employees, officers, directors and representatives do not guarantee the accuracy of the information contained therein nor warrant the safety of any route, highway, road, street, designated cycling route or other shown in the map or information.

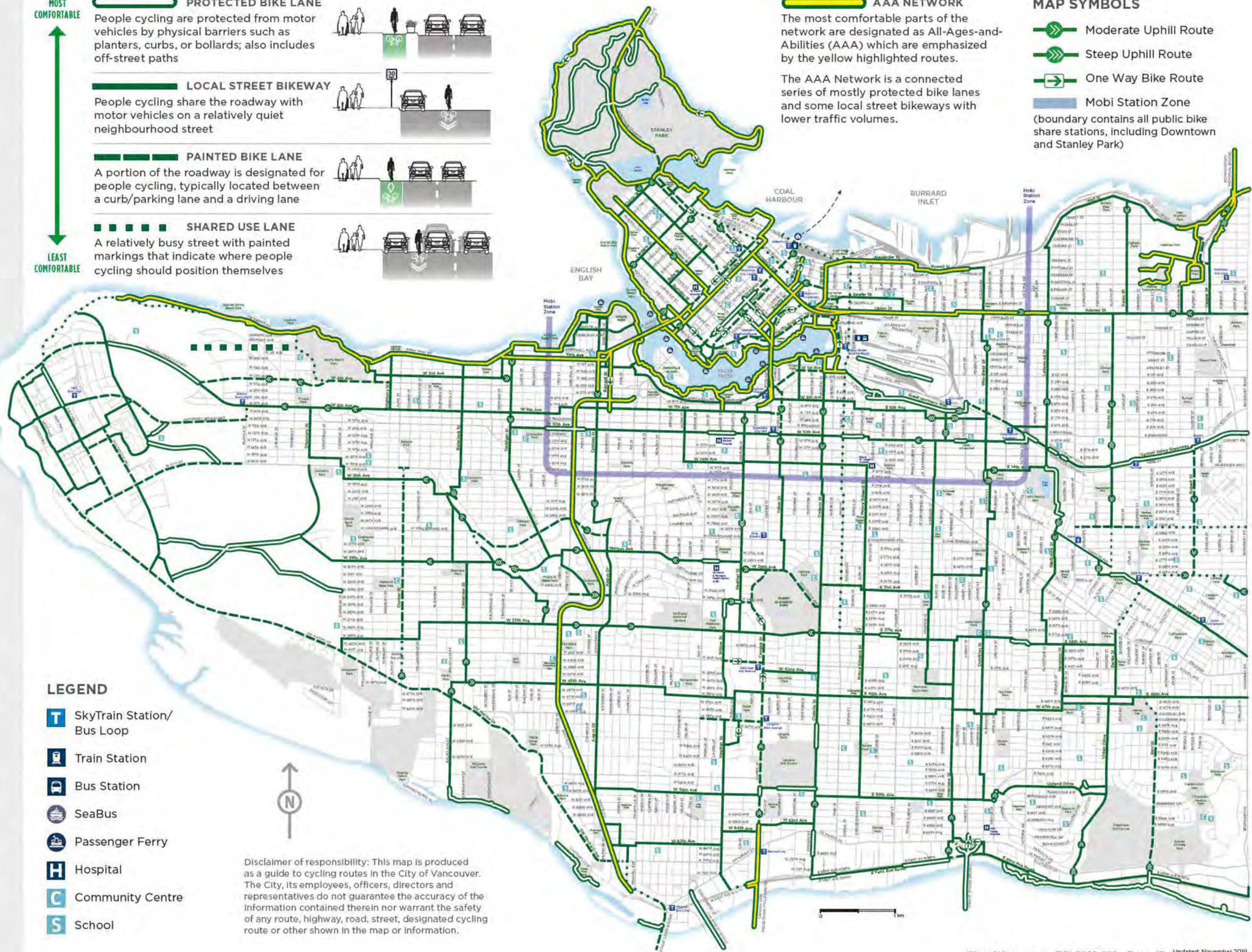
AAA NETWORK

The most comfortable parts of the network are designated as All-Ages-and-Abilities (AAA) which are emphasized by the yellow highlighted routes.

The AAA Network is a connected series of mostly protected bike lanes and some local street bikeways with lower traffic volumes.

MAP SYMBOLS

- Moderate Uphill Route
- Steep Uphill Route
- One Way Bike Route
- Mobi Station Zone  
(boundary contains all public bike share stations, including Downtown and Stanley Park)







# CONSTRUCTION ON PEDESTRIAN FACILITIES

## GUIDE 2020

Supplement to the British Columbia Ministry of Transportation and Infrastructure's 2015 Traffic Management Manual for Work on Roadways

This is a reference guide for private contractors and City of Vancouver crews with planned construction within the city's pedestrian environment.

Pedestrians are amongst the most vulnerable road users. Special care and attention is needed to ensure they're safely accommodated.

## Pedestrians in Work Zones

Pedestrians are amongst the most vulnerable road users. Specific care and attention is necessary for construction on pedestrian facilities to ensure they are safely accommodated.

## General Requirements

- A Traffic Management Plan is required for any work that will impact a sidewalk, crosswalk or multiuse pathway.
- Pedestrians should be safely accommodated through or around work zones and impacts to pedestrian facilities should be minimized.
- Temporary pedestrian facilities should be accessible to all users. This includes people using wheelchairs, walkers, canes, and strollers and people with visual impairment.
- Efforts should be made to maintain pedestrian access to businesses and adjacent facilities.
- Without the use of temporary pedestrian provisions, only one sidewalk or crosswalk may be closed at a time. For example, the following closures are discouraged:
  - Closure of two sidewalks on both sides of a roadway at the same time
  - Closure of a sidewalk at the corner of an intersection, which closes two sidewalks and two crosswalks
- Temporary midblock crosswalks are discouraged.

## Planning, Design and Construction

Pedestrians should be considered during:

1. Traffic management planning.  
Planning involves:
  - a. Identifying existing facilities
  - b. Field review and context
  - c. Planning for work duration
  - d. Planning pedestrian provisions
2. Traffic Management Plan and Traffic Control Plan design. Design should consider:
  - a. Pedestrian provision requirements
  - b. Width requirements
  - c. Typical configurations
3. Construction – when observations reveal a condition that requires additional measures be taken to ensure the public's safety, efforts should be made to correct the situation.

This guide provides an overview of pedestrian-related considerations during the planning and design phases.

## Planning – Identify Existing Facilities

The first step in addressing pedestrian safety is to identify existing pedestrian facilities within your work zone including sidewalks, crosswalks and multi-use pathways. Priority should be given to maintain pedestrian facilities. Consider reducing construction impacts or phasing work to maintain space for walking.

**Bus Stops** – if you have identified a bus stop within your work zone that requires relocation or closure, please contact Coast Mountain Bus Company a minimum of 48 hours in advance at: [special.events@coastmountainbus.com](mailto:special.events@coastmountainbus.com) 778-593-5774



## Planning – Field Review and Context

Conduct a field review to understand the facility and identify potential hazards.

Examples of factors to observe and consider include:

- Pedestrian volumes during expected work hours and after work hours. Consider what can be maintained during work hours versus after work hours
- Adjacent pedestrian generators such as schools, transit stops, community centres and shopping areas. Determine the level of accessibility needed to maintain access into these facilities
- Accessible features that should be maintained or alternative provided
- Cyclist and vehicle volumes – consider potential conflicts that may arise
- Remaining road width – consider if there is space for a temporary pedestrian provision
- Hazards on the road surface such as loose gravel and uneven surfaces

## Planning – Work Duration

Consider your work duration and how it will affect pedestrians. The most common work duration types include:

- Mobile work – intermittently moving work with short stops. Generally, two or more Traffic Control Persons or personnel can be used to stop and hold pedestrians for mobile work on pedestrian facilities.
- Short-duration work – work lasting more than 15 minutes during a single daylight period. The use of a pedestrian provision is preferred for short duration pedestrian facility closures.
- Long-duration work – work that lasts more than a single daylight period. The City discourages closure of pedestrian facilities over long durations. If long duration closures are required, closures should be re-opened after work hours.

## Planning – Pedestrian Provisions

A pedestrian provision is a temporary pedestrian facility put in place during closure of a permanent pedestrian facility. Pedestrian provisions should generally be used when:

- Pedestrian volumes are moderate to high
- An adjacent facility is a significant generator of pedestrian traffic
- Work requires closure of more than one sidewalk or crosswalk at the same time
- Without a provision, a closure would encourage unsafe shortcuts or encourage jaywalking

A sidewalk may be closed **without** a pedestrian provision when:

- There is a sidewalk on the opposite side of the street where pedestrians can be detoured
- There are crosswalks nearby at either ends of the sidewalk closure
- There are no other sidewalks or crosswalks closed in or nearby the work zone
- There are no other options to maintain a pedestrian provision

A crosswalk may be closed without a pedestrian provision only when there is another parallel crosswalk nearby.

## Design – Width Requirements

To select a temporary measure, consider the City's width requirements:

- Pedestrian provision – 1.8 metres
- Bicycle provision one-way – 1.5 metres
- Bicycle provision two-way – 3.0 metres
- Shared pedestrian/bicycle provision – case-by-case basis, review with the City's Traffic & Data Management Branch
- Regular vehicle travel lane – 3.0 metres, when running in the same direction
- Regular vehicle travel lane – 3.2 metres, when running in opposite directions
- Truck/bus route travel lane – 3.5 metres, when running in opposite directions

## Design – Pedestrian Provision Requirements

- Pedestrian provisions should provide a safe, direct, and clearly marked pathway through or around a work zone.
- Provisions should separate pedestrians from vehicles and cyclists with clear delineation.
- Pedestrian provisions should replicate as nearly as possible existing facilities.
- Provisions which detour pedestrians on a route longer than existing facilities should be avoided to limit unsafe shortcuts.
- Pedestrian provisions should have a smooth hard walking surface and accessible features consistent with the affected facility.
  - Fixed-in-place ramps with a tactile surface shall be provided at either end of the site allowing pedestrians to safely negotiate grade changes. Ramps must be of solid and sound construction, a minimum of 1.8 metres wide, less than 8% grade, and fixed in place with traction surface.
  - All temporary traffic control devices should be detectable with a cane.
  - No obstructions should protrude into the provision.
- Shared pedestrian/cyclist provisions should only be used where the provision is used to replace an existing shared pedestrian/cyclist pathway. Shared provisions should be reviewed by the City's Traffic & Data Management Branch.

## Design – Typical Configurations

The backside of this brochure includes several figures showing typical pedestrian configurations which can be used as a guide in the design of your Traffic Control Plans.

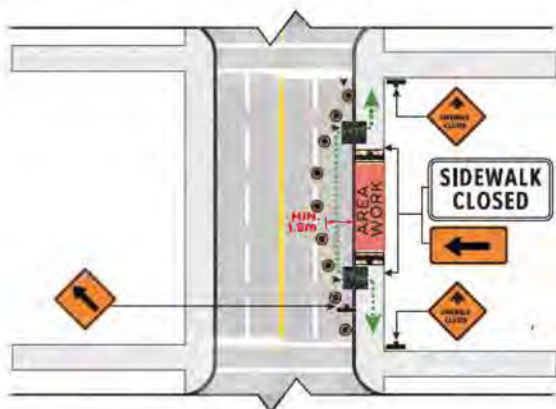


## Sidewalk Closure – With Provision

The figure below shows a typical setup for a midblock sidewalk closure with a pedestrian provision. Depending on vehicle, pedestrian and cyclist volumes, a parking lane or travel lane adjacent to the affected sidewalk may be used to provide a pedestrian provision.

### KEY DESIGN FEATURES:

- The sidewalk is closed using barricades and “Sidewalk Closed” signs on either ends of the closure.
- “Sidewalk Closed Ahead” signs are placed in advance of the closure at crosswalks to advise pedestrians of suitable alternative crossings. Signs are placed so they do not block the sidewalk.
- Fixed-in-place ramps with a tactile surface are installed at either ends of the closure.
- Detour signage can be used to direct pedestrian into the provision.

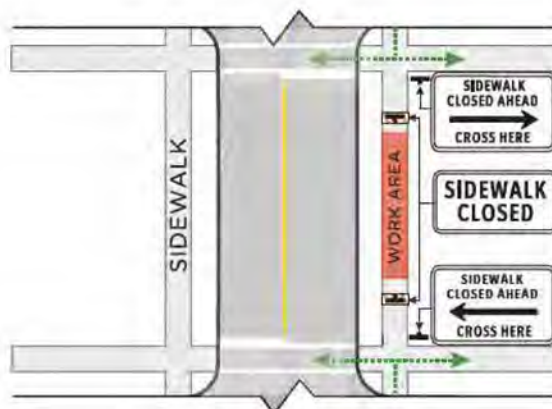


## Midblock Sidewalk Closure

The figure below shows a typical setup for a midblock sidewalk closure that is not able to use the outside lane for a pedestrian provision. This layout is used where a sidewalk is closed and pedestrians are detoured to another pedestrian facility.

### KEY DESIGN FEATURES:

- All adjacent crosswalks and sidewalks are opened and there is a sidewalk on the opposite side of the street where pedestrians can be detoured.
- The sidewalk is closed using barricades and “Sidewalk Closed” signs on either ends of the closure.
- “Sidewalk Closed Ahead – Cross Here” signs are placed in advance of the closure at crosswalks to advise pedestrians of suitable alternative crossings. Signs are placed so they do not block the sidewalk.



Note: The traffic control plan for vehicles will vary by application.

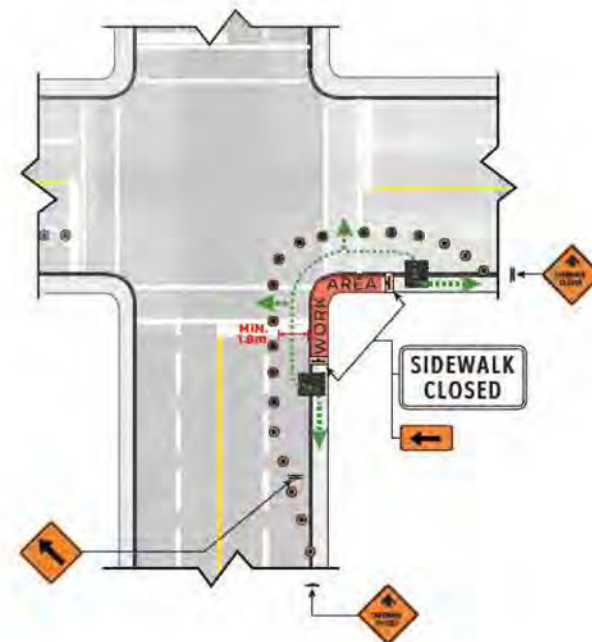
Refer to the BC MoTI Traffic Management Manual for Work on Roadways.

## Intersection Corner Sidewalk Closure

The figure below shows a typical setup for an intersection corner sidewalk closure with a pedestrian provision.

### KEY DESIGN FEATURES:

- Both crosswalks at the intersection corner are opened.
- The sidewalk is closed using barricades and “Sidewalk Closed” signs on either ends of the closure.
- “Sidewalk Closed Ahead” signs are placed in advance of the closure at crosswalks to advise pedestrians of a suitable alternative crossing. Signs are placed so they do not block the sidewalk.
- Fixed-in-place ramps with a tactile surface are installed at either ends of the closure.
- Detour signage can be used to direct pedestrian into the provision.





## Crosswalk Closure

The figure below shows a typical setup for a crosswalk closure that is not able to use adjacent space for a pedestrian provision. This layout is used where a crosswalk is closed and pedestrians are detoured to another pedestrian facility.

### KEY DESIGN FEATURES:

- All adjacent crosswalks and sidewalks are opened.
- There is a parallel crosswalk opened where pedestrians can be detoured.
- The crosswalk is closed using barricades and "Crosswalk Closed" signs on either ends of the closure.



Note: The traffic control plan for vehicles will vary by application.

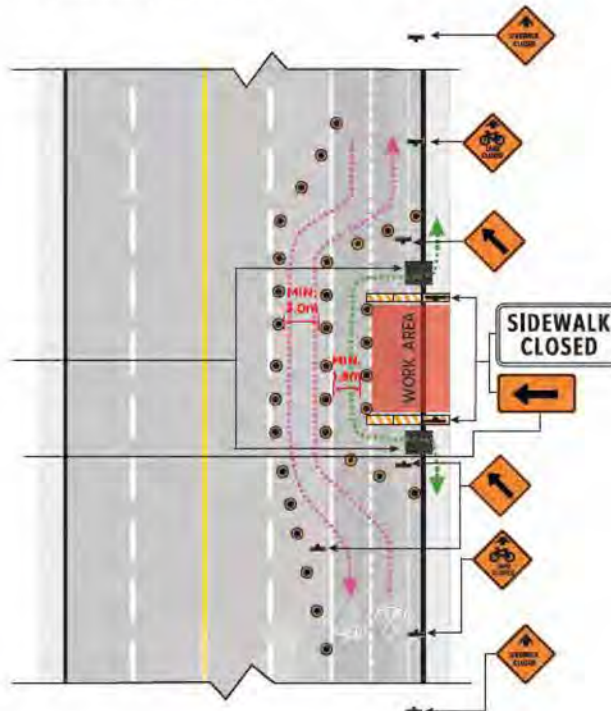
Refer to the BC MoTI Traffic Management Manual for Work on Roadways.

## Sidewalk Closure – With a Pedestrian and Bicycle Provision

The figure below shows a typical setup for a midblock sidewalk closure with a pedestrian and bicycle provision.

### KEY DESIGN FEATURES:

- Pedestrian and bicycle provisions are clearly delineated.
- The sidewalk is closed using barricades and "Sidewalk Closed" signs on either ends of the closure.
- "Sidewalk Closed Ahead" signs are placed in advance of the closure at crosswalks to advise pedestrians of a suitable alternative crossing. Signs are placed so they do not block the sidewalk.
- "Lane Closure Arrow" signs are placed where bicycle traffic is being shifted from the existing bicycle facility into the bicycle provision. Signs are placed so they do not block the sidewalk.
- "Bike Lane Closed Ahead" signs are placed in advance of the bicycle facility closure.
- Detour signage can be used to direct pedestrian into the provision.

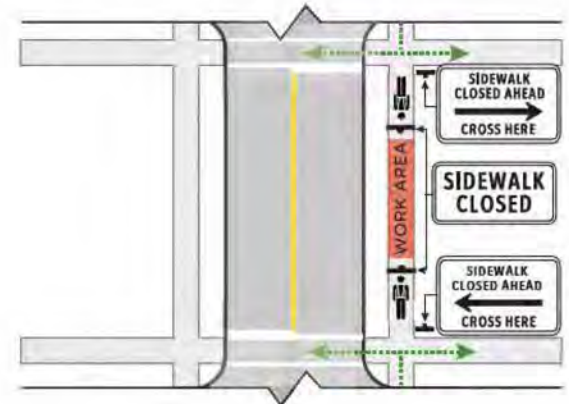


## Sidewalk Closure for Mobile Work

The figure below shows a typical setup for a sidewalk closure for mobile work.

### KEY DESIGN FEATURES:

- The sidewalk is closed using Traffic Control Persons (TCPs) or personnel and "Sidewalk Closed" signs on either ends of the closure.
- "Sidewalk Closed Ahead – Cross Here" signs are placed in advance of the closure at crosswalks to advise pedestrians of a suitable alternative crossing. Signs are placed so they do not block the sidewalk.
- Two or more TCPs or personnel are used to stop and hold pedestrians and move signs.





# APPENDIX E

## MAP OF CMS AND STATIC SIGN LOCATIONS



TRAFFIC CONTROL SYMBOLS

WORK ZONE



TRAFFIC SIGNAGE



CONSTRUCTION NOTICE SIGN



CMS-DURING CONSTR

"W KING"  
"EDWARD"  
"CONSTR"

"MM-MM"  
"DD-DD"

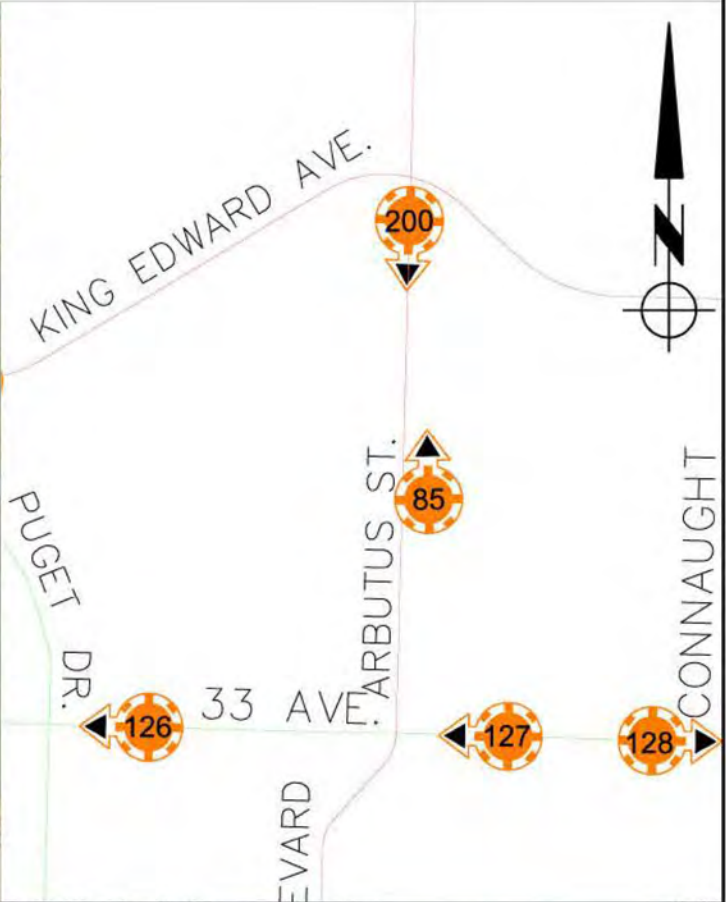
"EXPECT"  
"DELAYS"

FINAL - FOR IMPLEMENTATION

<p>NOTE:</p>		<p>TRAFFIC CONTROL PLAN WEST KIND EDWARD UPGRADE NOTIFICATION PLAN</p>	
<p>K. BULLIVANT ENGINEER OF RECORD DATE: JUNE 30, 2022</p>		<p>FILE NUMBER: 22-0441-00 PROJECT NUMBER: 22-0441 REV: 1 DRAWING NUMBER: WKE-CMS-P1 REV: 0</p>	



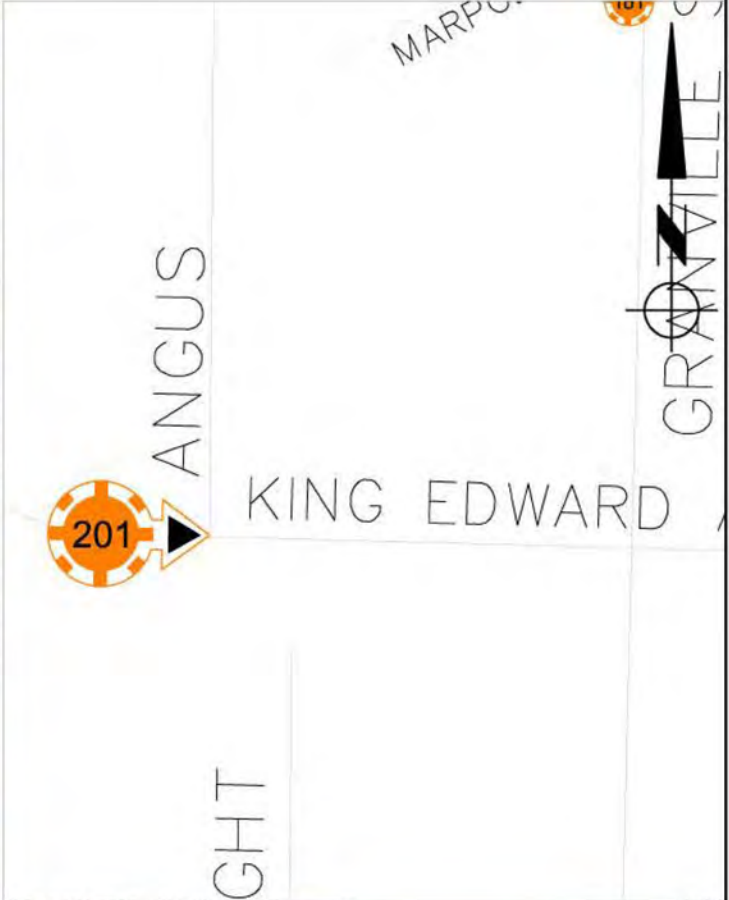
ENGINEERING SERVICES - CITY OF VANCOUVER  
TRANSPORTATION DIVISION  
TRAFFIC CONTROL DEVICE DIAGRAM



BOARD #	B 200
LOCATION:	ARBUTUS ST south of KING ED
For northbound traffic	



ENGINEERING SERVICES - CITY OF VANCOUVER  
TRANSPORTATION DIVISION  
TRAFFIC CONTROL DEVICE DIAGRAM



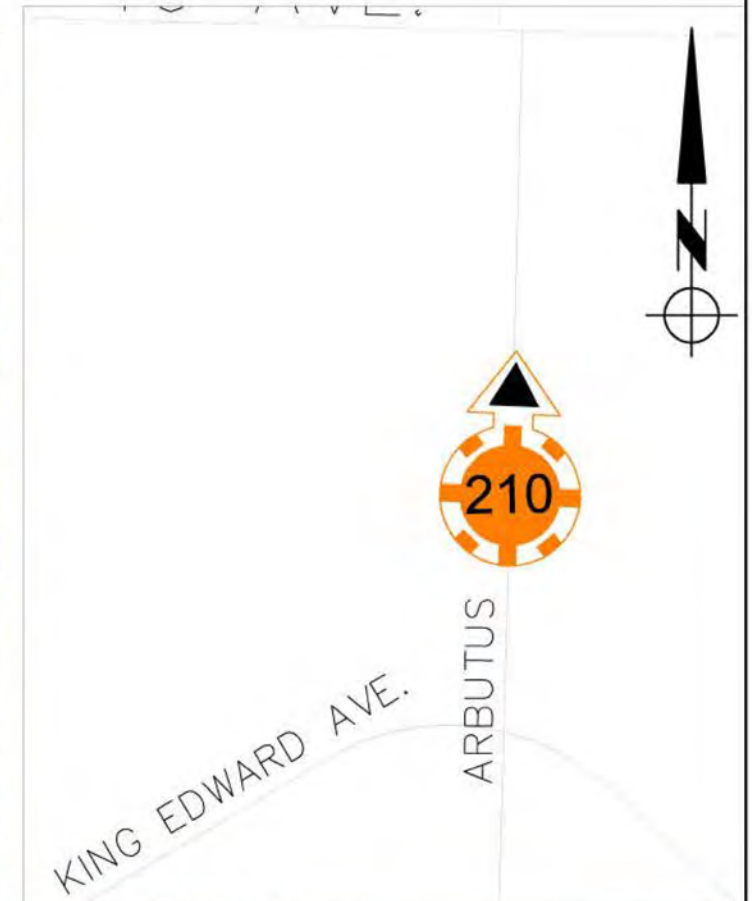
BOARD #	B 201
LOCATION:	KING EDWARD west of ANGUS
For westbound traffic	



# ENGINEERING SERVICES - CITY OF VANCOUVER

## TRANSPORTATION DIVISION

### TRAFFIC CONTROL DEVICE DIAGRAM

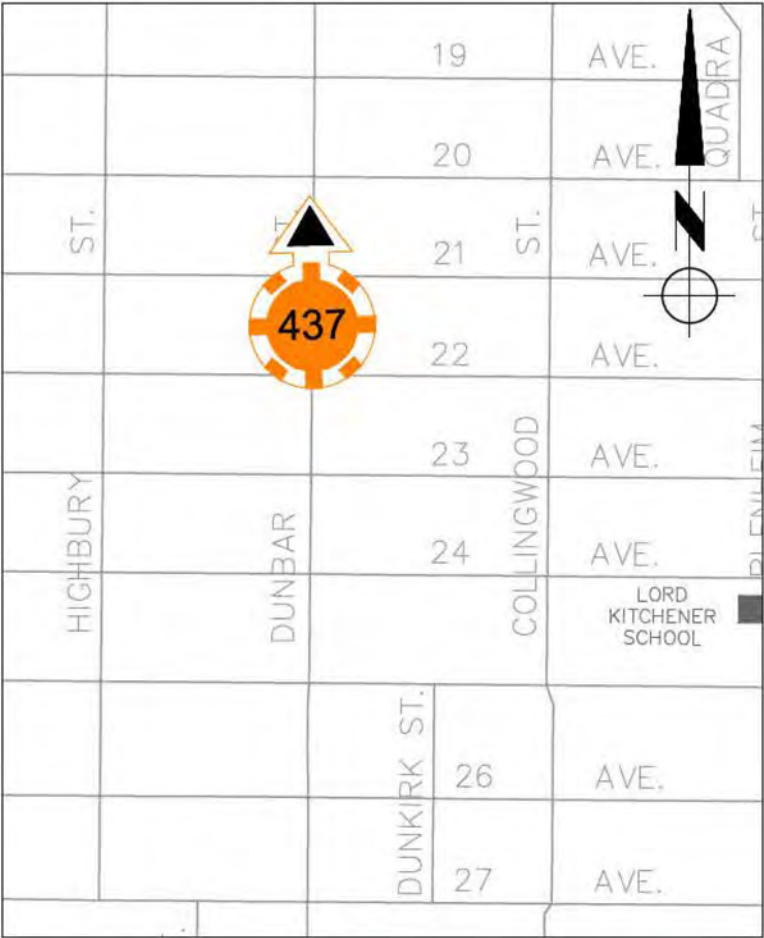
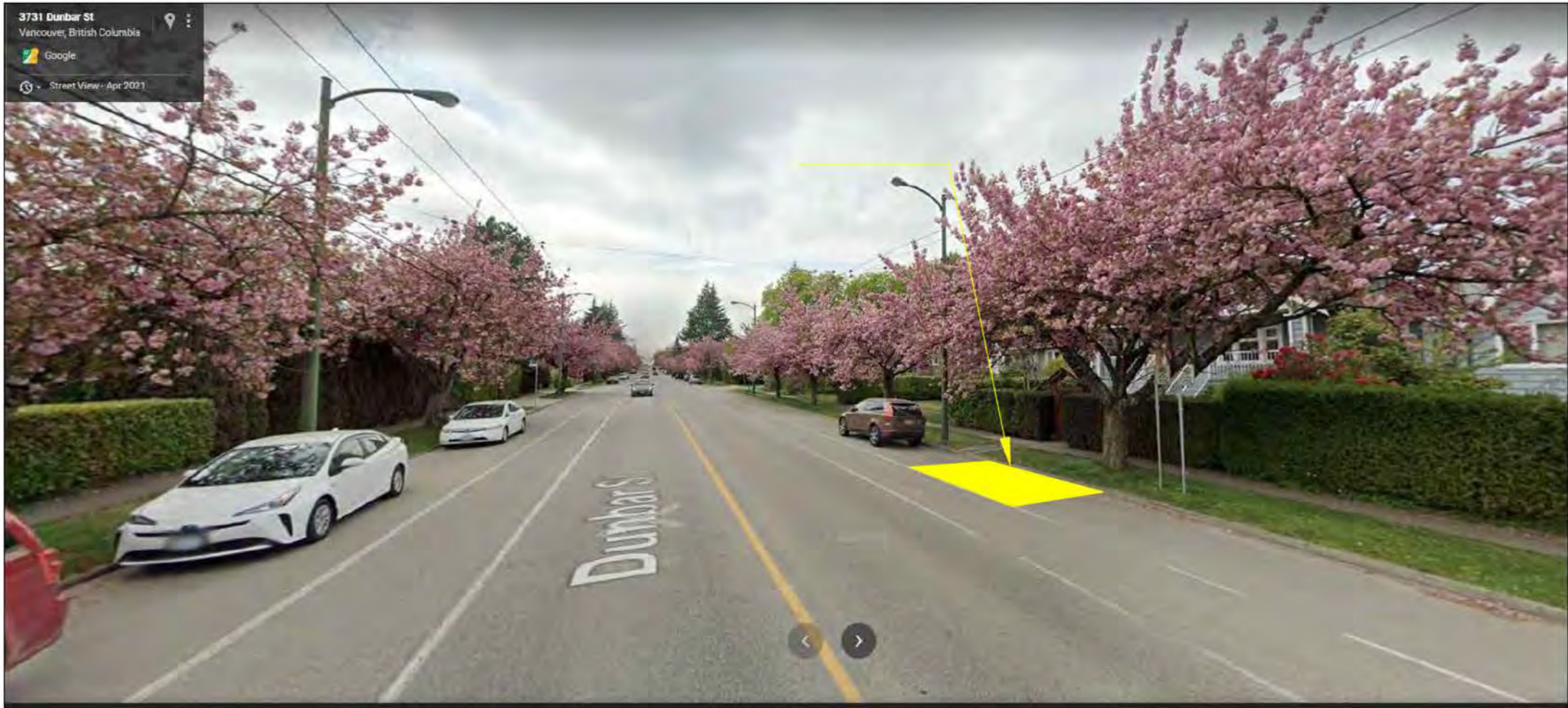


BOARD #	B 210
LOCATION:	ARBUTUS & W KING EDWARD
For SOUTHBOUND traffic	





ENGINEERING SERVICES - CITY OF VANCOUVER  
TRAFFIC CONTROL DEVICE DIAGRAM  
TRANSPORTATION DIVISION



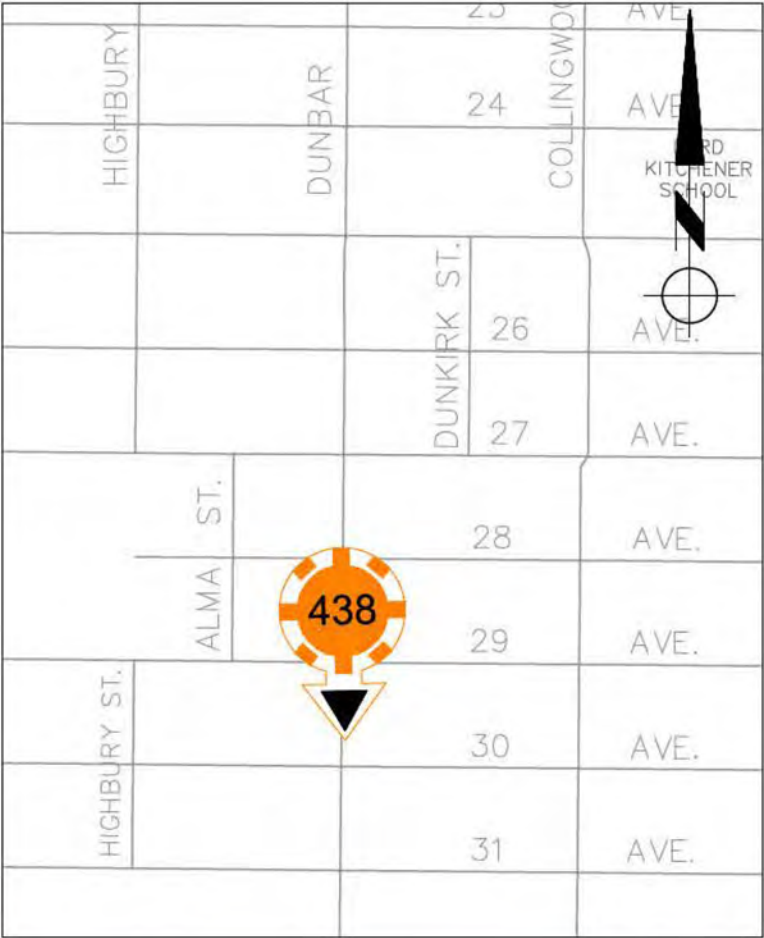
BOARD #	B437
LOCATION:	Dunbar St & W 21st Av
For SOUTHBOUND traffic	



# ENGINEERING SERVICES - CITY OF VANCOUVER

## TRAFFIC CONTROL DEVICE DIAGRAM

### TRANSPORTATION DIVISION



BOARD #	B438
LOCATION:	Dunbar St & W 28th Av
For NORTHBOUND traffic	



TRAFFIC CONTROL SYMBOLS

FLEXIBLE TRAFFIC DRUMS

WORK ZONE

CLASS 1 BARRICADES

LANE CLOSURE AREA

TYPE-D TUBULAR MARKER

OPPOSING TRAFFIC LANE DIVIDERS

TRAFFIC SIGNAGE

CONCRETE BARRIER

TRAFFIC CONTROL PERSONNEL

FENCE

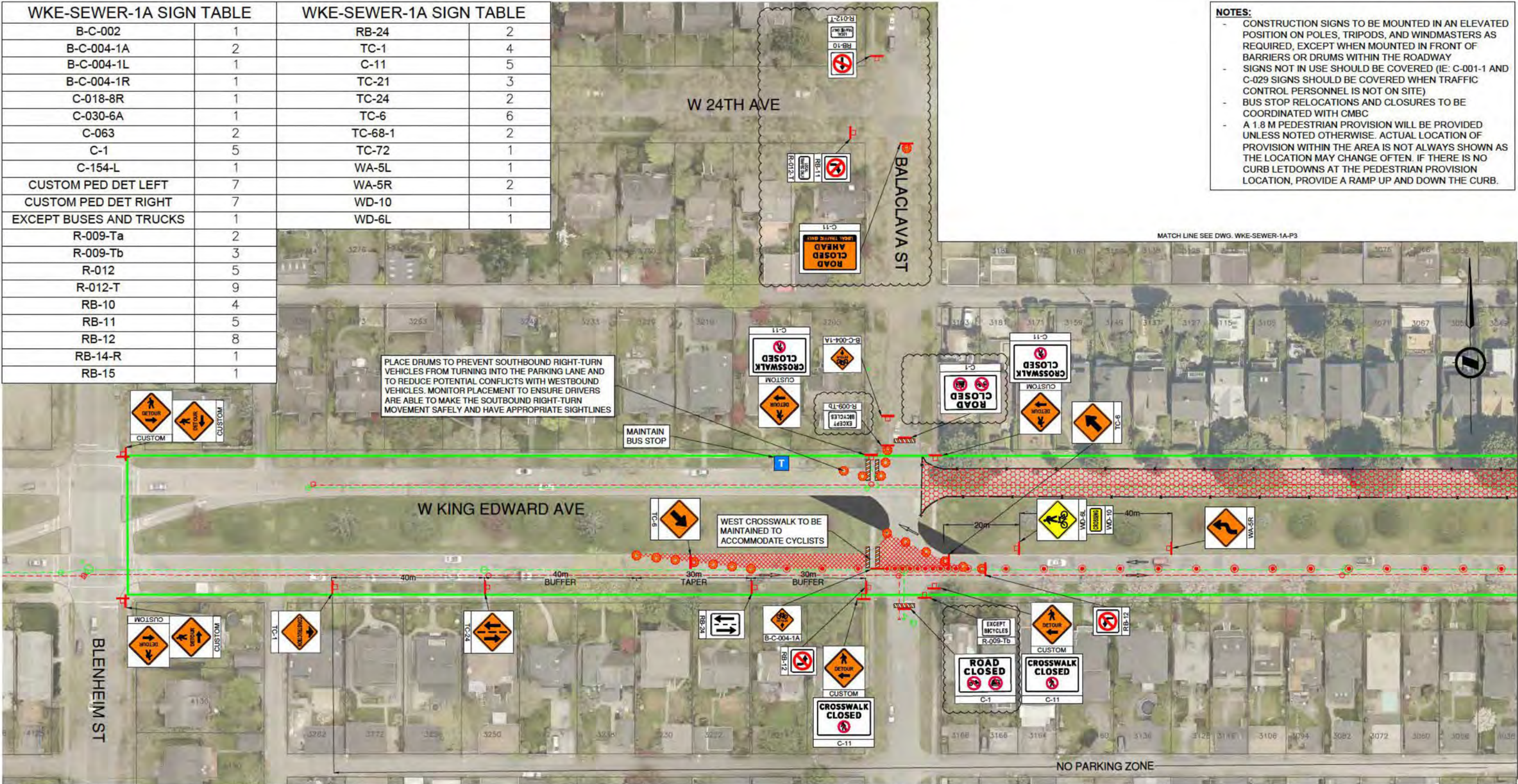
VANCOUVER POLICE PERSONNEL

PEDESTRIAN DETOUR

BUS STOP

WKE-SEWER-1A SIGN TABLE		WKE-SEWER-1A SIGN TABLE	
B-C-002	1	RB-24	2
B-C-004-1A	2	TC-1	4
B-C-004-1L	1	C-11	5
B-C-004-1R	1	TC-21	3
C-018-8R	1	TC-24	2
C-030-6A	1	TC-6	6
C-063	2	TC-68-1	2
C-1	5	TC-72	1
C-154-L	1	WA-5L	1
CUSTOM PED DET LEFT	7	WA-5R	2
CUSTOM PED DET RIGHT	7	WD-10	1
EXCEPT BUSES AND TRUCKS	1	WD-6L	1
R-009-Ta	2		
R-009-Tb	3		
R-012	5		
R-012-T	9		
RB-10	4		
RB-11	5		
RB-12	8		
RB-14-R	1		
RB-15	1		

- NOTES:
- CONSTRUCTION SIGNS TO BE MOUNTED IN AN ELEVATED POSITION ON POLES, TRIPODS, AND WINDMASTERS AS REQUIRED, EXCEPT WHEN MOUNTED IN FRONT OF BARRIERS OR DRUMS WITHIN THE ROADWAY
  - SIGNS NOT IN USE SHOULD BE COVERED (IE: C-001-1 AND C-029 SIGNS SHOULD BE COVERED WHEN TRAFFIC CONTROL PERSONNEL IS NOT ON SITE)
  - BUS STOP RELOCATIONS AND CLOSURES TO BE COORDINATED WITH CMBC
  - A 1.8 M PEDESTRIAN PROVISION WILL BE PROVIDED UNLESS NOTED OTHERWISE. ACTUAL LOCATION OF PROVISION WITHIN THE AREA IS NOT ALWAYS SHOWN AS THE LOCATION MAY CHANGE OFTEN. IF THERE IS NO CURB LETDOWNS AT THE PEDESTRIAN PROVISION LOCATION, PROVIDE A RAMP UP AND DOWN THE CURB.



NOTE: HOLLOW ARROWS INDICATE DIRECTION OF TRAVEL ONLY. SOLID ARROWS TO BE PROVIDED AS PAVEMENT MARKINGS.

GENERAL TRAFFIC MANAGEMENT REQUIREMENTS:

MAXIMUM DISTANCE BETWEEN TUBULAR MARKER	10.0m
MAXIMUM DISTANCE BETWEEN BARRELS	5.0m
MINIMUM LANE WIDTH	3.5m
EXISTING POSTED SPEED	50km/h
CONSTRUCTION POSTED SPEED	50km/h
DESIGN VEHICLE	B-12

K. BULLIVANT  
ENGINEER OF RECORD  
DATE 2022-07-14

SCALE		0 5 1:500 25m	CAD FILENAME	100PL-WKEV-PH-1A-22-0441.DWG
REV		DATE	REVISIONS	SIGNATURE
A		JULY 14, 2022	REVISED FOR IMPLEMENTATION	K.BULLIVANT
D		JUNE 30, 2022	FINAL - FOR IMPLEMENTATION	K.BULLIVANT

BINNIE  
The people behind your infrastructure.



RA, BINNIE & ASSOCIATES LTD.  
310 - 6940 Canada Way,  
Vancouver, BC V6C 4B5  
TEL: 604-441-5773  
BINNIE.COM

DESIGNED	K. BULLIVANT	DATE	JULY 14, 2022
QUALITY ASSURANCE	K. BULLIVANT	DATE	JULY 14, 2022
QUALITY ASSURANCE	M. WOOD	DATE	JULY 14, 2022
DRAWN	S. KIM	DATE	JULY 14, 2022

FINAL - FOR IMPLEMENTATION

TRAFFIC CONTROL PLAN  
WEST KING EDWARD UPGRADE  
WEST KING EDWARD AT QUESNEL DRIVE SEGMENT 1A

FILE NUMBER	PROJECT NUMBER	REV	DRAWING NUMBER	REV
22-0441-00	22-0441	1	WKE-SEWER-1A-P1	A



TRAFFIC CONTROL SYMBOLS

FLEXIBLE TRAFFIC DRUMS

WORK ZONE

CLASS 1 BARRICADES

LANE CLOSURE AREA

TYPE-D TUBULAR MARKER

OPPOSING TRAFFIC LANE DIVIDERS

TRAFFIC SIGNAGE

CONCRETE BARRIER

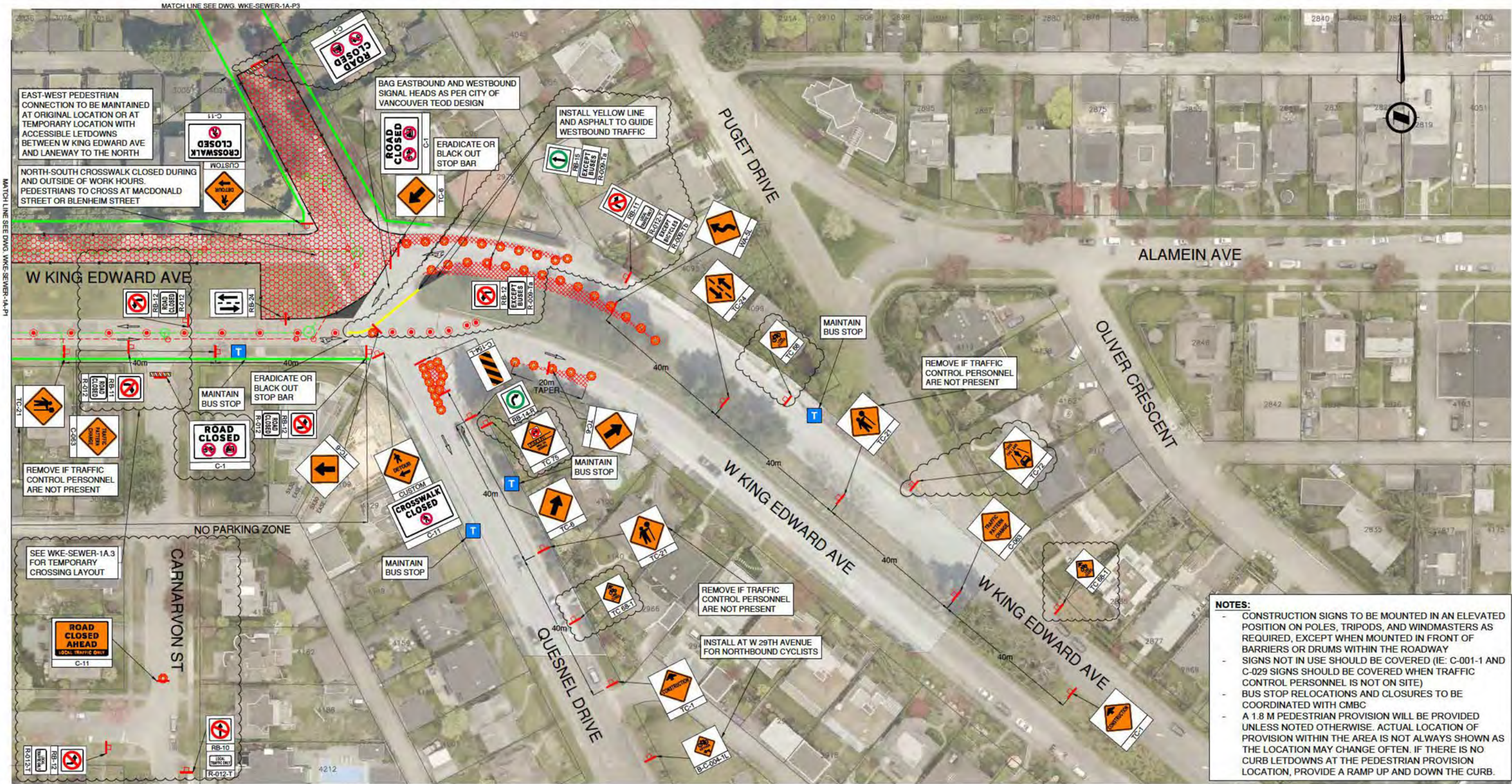
TRAFFIC CONTROL PERSONNEL

FENCE

VANCOUVER POLICE PERSONNEL

PEDESTRIAN DETOUR

BUS STOP



- NOTES:**
- CONSTRUCTION SIGNS TO BE MOUNTED IN AN ELEVATED POSITION ON POLES, TRIPODS, AND WINDMASTERS AS REQUIRED, EXCEPT WHEN MOUNTED IN FRONT OF BARRIERS OR DRUMS WITHIN THE ROADWAY
  - SIGNS NOT IN USE SHOULD BE COVERED (IE: C-001-1 AND C-029 SIGNS SHOULD BE COVERED WHEN TRAFFIC CONTROL PERSONNEL IS NOT ON SITE)
  - BUS STOP RELOCATIONS AND CLOSURES TO BE COORDINATED WITH CMBC
  - A 1.8 M PEDESTRIAN PROVISION WILL BE PROVIDED UNLESS NOTED OTHERWISE. ACTUAL LOCATION OF PROVISION WITHIN THE AREA IS NOT ALWAYS SHOWN AS THE LOCATION MAY CHANGE OFTEN. IF THERE IS NO CURB LETDOWNS AT THE PEDESTRIAN PROVISION LOCATION, PROVIDE A RAMP UP AND DOWN THE CURB.

NOTE: HOLLOW ARROWS INDICATE DIRECTION OF TRAVEL ONLY. SOLID ARROWS TO BE PROVIDED AS PAVEMENT MARKINGS.

GENERAL TRAFFIC MANAGEMENT REQUIREMENTS:

MAXIMUM DISTANCE BETWEEN TUBULAR MARKER	10.0m
MAXIMUM DISTANCE BETWEEN BARRELS	5.0m
MINIMUM LANE WIDTH	3.5m
EXISTING POSTED SPEED	50km/h
CONSTRUCTION POSTED SPEED	50km/h
DESIGN VEHICLE	B-12

K. BULLIVANT  
ENGINEER OF RECORD  
DATE 2022-07-14

SCALE 0 5 1:500 25m		CAD FILENAME 100%-WKEV-PH-1A-22-0441.DWG
REV DATE REVISIONS SIGNATURE		DATE 2022-07-14
A	JULY 14, 2022	REVISED FOR IMPLEMENTATION K.BULLIVANT
D	JUNE 30, 2022	FINAL - FOR IMPLEMENTATION K.BULLIVANT

DESIGNED K. BULLIVANT DATE JULY 14, 2022

QUALITY CONTROL M. WOOD DATE JULY 14, 2022

QUALITY ASSURANCE M. WOOD DATE JULY 14, 2022

DRAWN S. KIM DATE JULY 14, 2022

FINAL - FOR IMPLEMENTATION

TRAFFIC CONTROL PLAN WEST KING EDWARD UPGRADE WEST KING EDWARD AT QUESNEL DRIVE SEGMENT 1A				
FILE NUMBER	PROJECT NUMBER	REV	DRAWING NUMBER	REV
22-0441-00	22-0441	1	WKE-SEWER-1A-P2	A



TRAFFIC CONTROL SYMBOLS

FLEXIBLE TRAFFIC DRUMS

WORK ZONE

CLASS 1 BARRICADES

LANE CLOSURE AREA

TYPE-D TUBULAR MARKER

OPPOSING TRAFFIC LANE DIVIDERS

TRAFFIC SIGNAGE

CONCRETE BARRIER

TRAFFIC CONTROL PERSONNEL

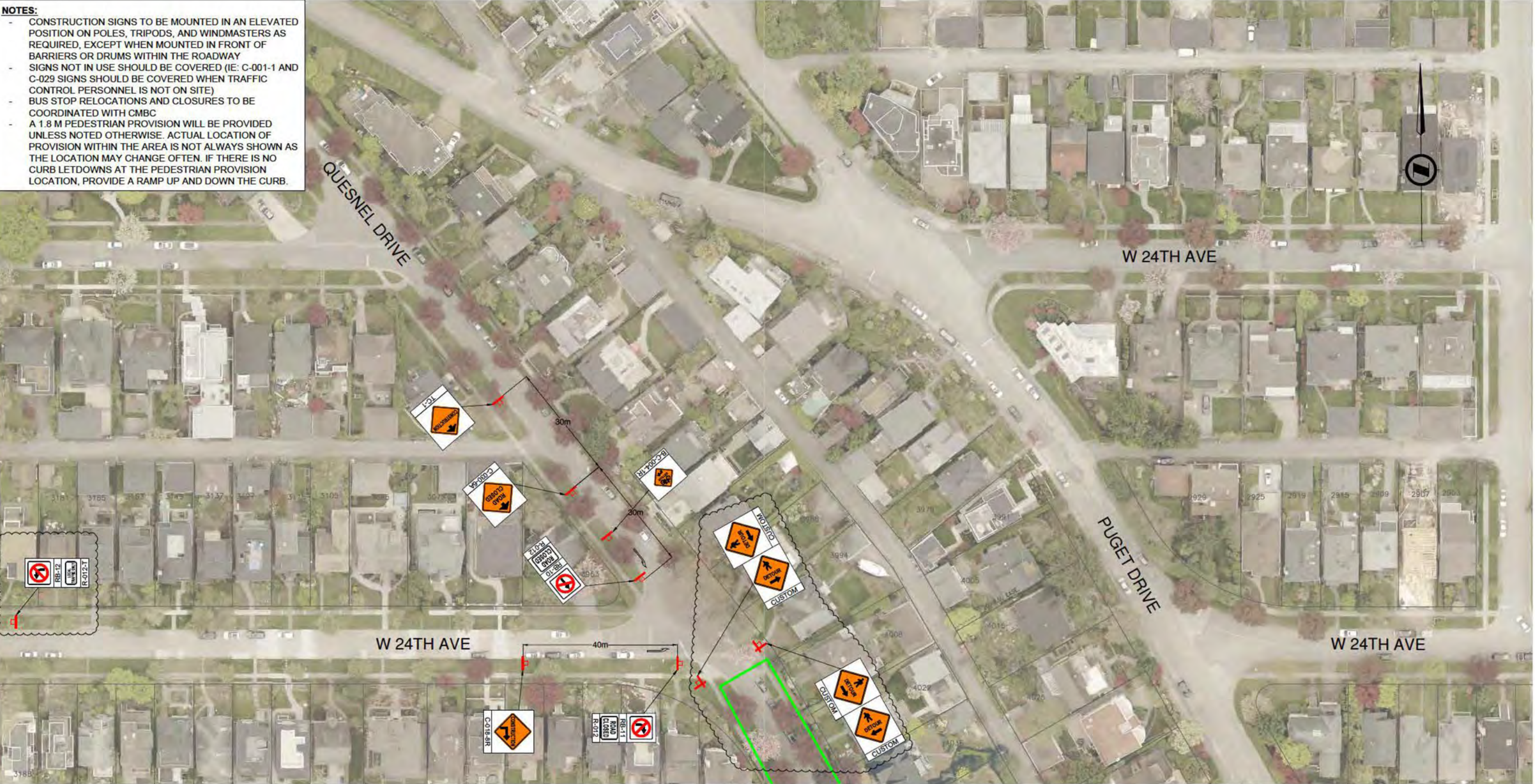
FENCE

VANCOUVER POLICE PERSONNEL

PEDESTRIAN DETOUR

BUS STOP

- NOTES:
- CONSTRUCTION SIGNS TO BE MOUNTED IN AN ELEVATED POSITION ON POLES, TRIPODS, AND WINDMASTERS AS REQUIRED, EXCEPT WHEN MOUNTED IN FRONT OF BARRIERS OR DRUMS WITHIN THE ROADWAY
  - SIGNS NOT IN USE SHOULD BE COVERED (IE: C-001-1 AND C-029 SIGNS SHOULD BE COVERED WHEN TRAFFIC CONTROL PERSONNEL IS NOT ON SITE)
  - BUS STOP RELOCATIONS AND CLOSURES TO BE COORDINATED WITH CMBC
  - A 1.8 M PEDESTRIAN PROVISION WILL BE PROVIDED UNLESS NOTED OTHERWISE. ACTUAL LOCATION OF PROVISION WITHIN THE AREA IS NOT ALWAYS SHOWN AS THE LOCATION MAY CHANGE OFTEN. IF THERE IS NO CURB LETDOWNS AT THE PEDESTRIAN PROVISION LOCATION, PROVIDE A RAMP UP AND DOWN THE CURB.



NOTE: HOLLOW ARROWS INDICATE DIRECTION OF TRAVEL ONLY. SOLID ARROWS TO BE PROVIDED AS PAVEMENT MARKINGS.

GENERAL TRAFFIC MANAGEMENT REQUIREMENTS:	
MAXIMUM DISTANCE BETWEEN TUBULAR MARKER	10.0m
MAXIMUM DISTANCE BETWEEN BARRELS	5.0m
MINIMUM LANE WIDTH	3.5m
EXISTING POSTED SPEED	50km/h
CONSTRUCTION POSTED SPEED	50km/h
DESIGN VEHICLE	B-12

K. BULLIVANT  
ENGINEER OF RECORD  
DATE 2022-07-14

SCALE 0 5 1:500 25m		CAD FILENAME 100PL-WKEV-PH_1A-22-0441.DWG
REV DATE REVISIONS SIGNATURE		DATE 2022-07-14
A	JULY 14, 2022	REVISED FOR IMPLEMENTATION K.BULLIVANT
D	JUNE 30, 2022	FINAL - FOR IMPLEMENTATION K.BULLIVANT

R.F. BINNIE & ASSOCIATES LTD.  
300-6440 Canada Way  
Burnaby, BC V5C 4K3  
TEL: 604-430-1713  
BINNIE.COM

DESIGNED K. BULLIVANT DATE JULY 14, 2022  
QUALITY CONTROL K. BULLIVANT DATE JULY 14, 2022  
QUALITY ASSURANCE M. WOOD DATE JULY 14, 2022  
DRAWN S. KIM DATE JULY 14, 2022

FINAL - FOR IMPLEMENTATION

TRAFFIC CONTROL PLAN  
WEST KING EDWARD UPGRADE  
WEST KING EDWARD AT QUESNEL DRIVE SEGMENT 1A

FILE NUMBER	PROJECT NUMBER	REV	DRAWING NUMBER	REV
22-0441-00	22-0441	1	WKE-SEWER-1A-P3	A

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TRAFFIC CONTROL SYMBOLS

FLEXIBLE TRAFFIC DRUMS

WORK ZONE

CLASS 1 BARRICADES

LANE CLOSURE AREA

TYPE-D TUBULAR MARKER

OPPOSING TRAFFIC LANE DIVIDERS

TRAFFIC SIGNAGE

CONCRETE BARRIER

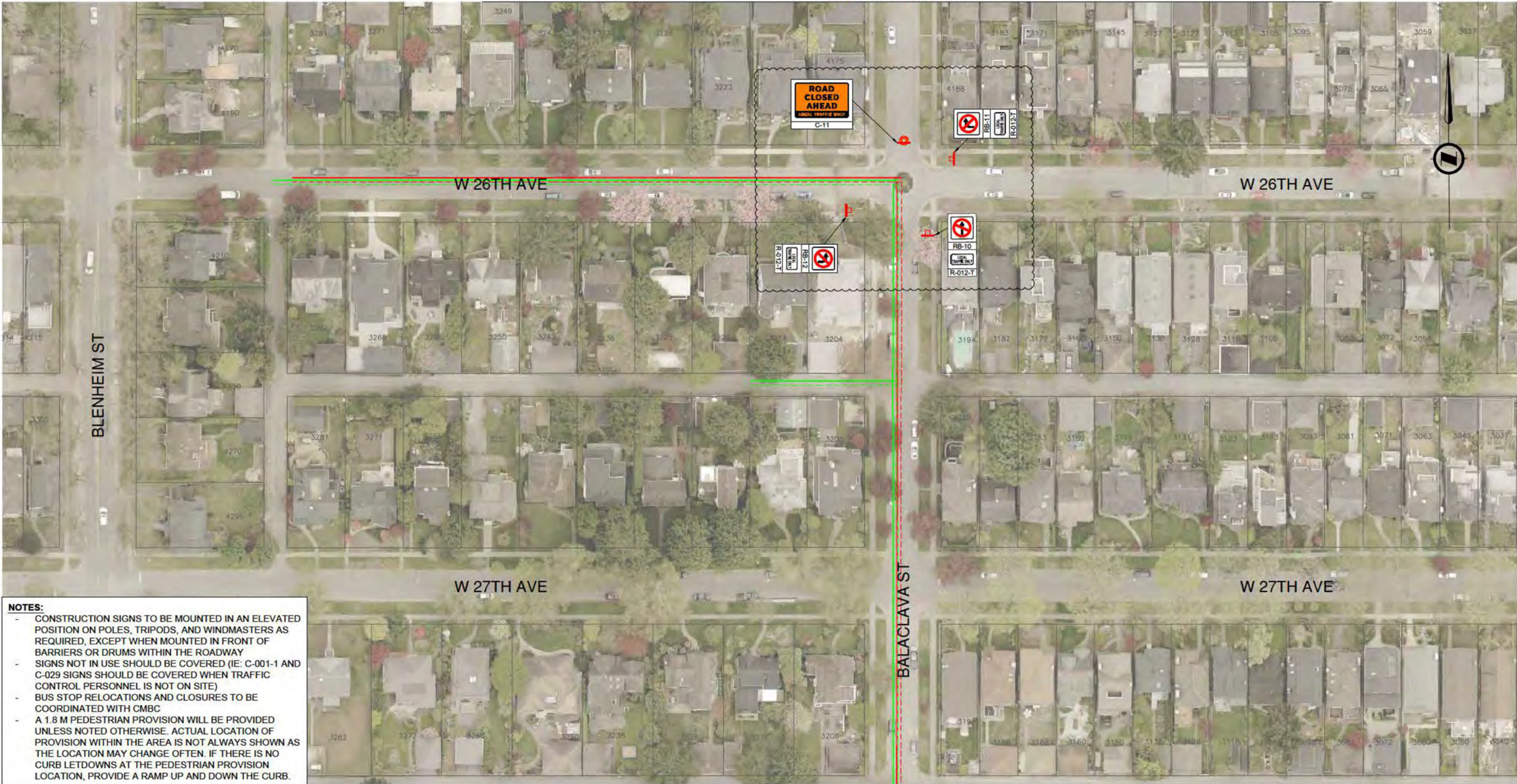
TRAFFIC CONTROL PERSONNEL

FENCE

VANCOUVER POLICE PERSONNEL

PEDESTRIAN DETOUR

BUS STOP



- NOTES:**
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EXISTING POSTED SPEED	50km/h
CONSTRUCTION POSTED SPEED	50km/h
DESIGN VEHICLE	B-12

K. BULLIVANT  
ENGINEER OF RECORD  
DATE 2022-07-14

SCALE 0 5 1:500 25m			
CAD FILENAME 100PL-WKEV-PH_1A-22-0441.DWG		DATE 2022-07-14	
REV	DATE	REVISIONS	SIGNATURE
A	JULY 14, 2022	REVISED FOR IMPLEMENTATION	K.BULLIVANT
D	JUNE 30, 2022	FINAL - FOR IMPLEMENTATION	K.BULLIVANT

R.F. BINNIE & ASSOCIATES LTD.  
300-6940 Canada Way  
Burnaby, BC V5C 4K2  
TEL: 604-433-1713  
BINNIE.COM

DESIGNED K. BULLIVANT DATE JULY 14, 2022

QUALITY CONTROL K. BULLIVANT DATE JULY 14, 2022

QUALITY ASSURANCE M. WOOD DATE JULY 14, 2022

DRAWN S. KIM DATE JULY 14, 2022

FINAL - FOR IMPLEMENTATION

TRAFFIC CONTROL PLAN  
WEST KIND EDWARD UPGRADE  
NOTIFICATION PLAN

FILE NUMBER	PROJECT NUMBER	REV	DRAWING NUMBER	REV
22-0441-00	22-0441	1	WKE-SEWER-1A-P4	A



TRAFFIC CONTROL SYMBOLS

BIKE DETOUR

FLEXIBLE TRAFFIC DRUMS  
WORK ZONE

CLASS 1 BARRICADES  
LANE CLOSURE AREA



TYPE-D TUBULAR MARKER  
OPPOSING TRAFFIC LANE DIVIDERS



TRAFFIC SIGNAGE  
CONCRETE BARRIER



TRAFFIC CONTROL PERSONNEL  
FENCE



VANCOUVER POLICE PERSONNEL  
PEDESTRIAN DETOUR  
BUS STOP



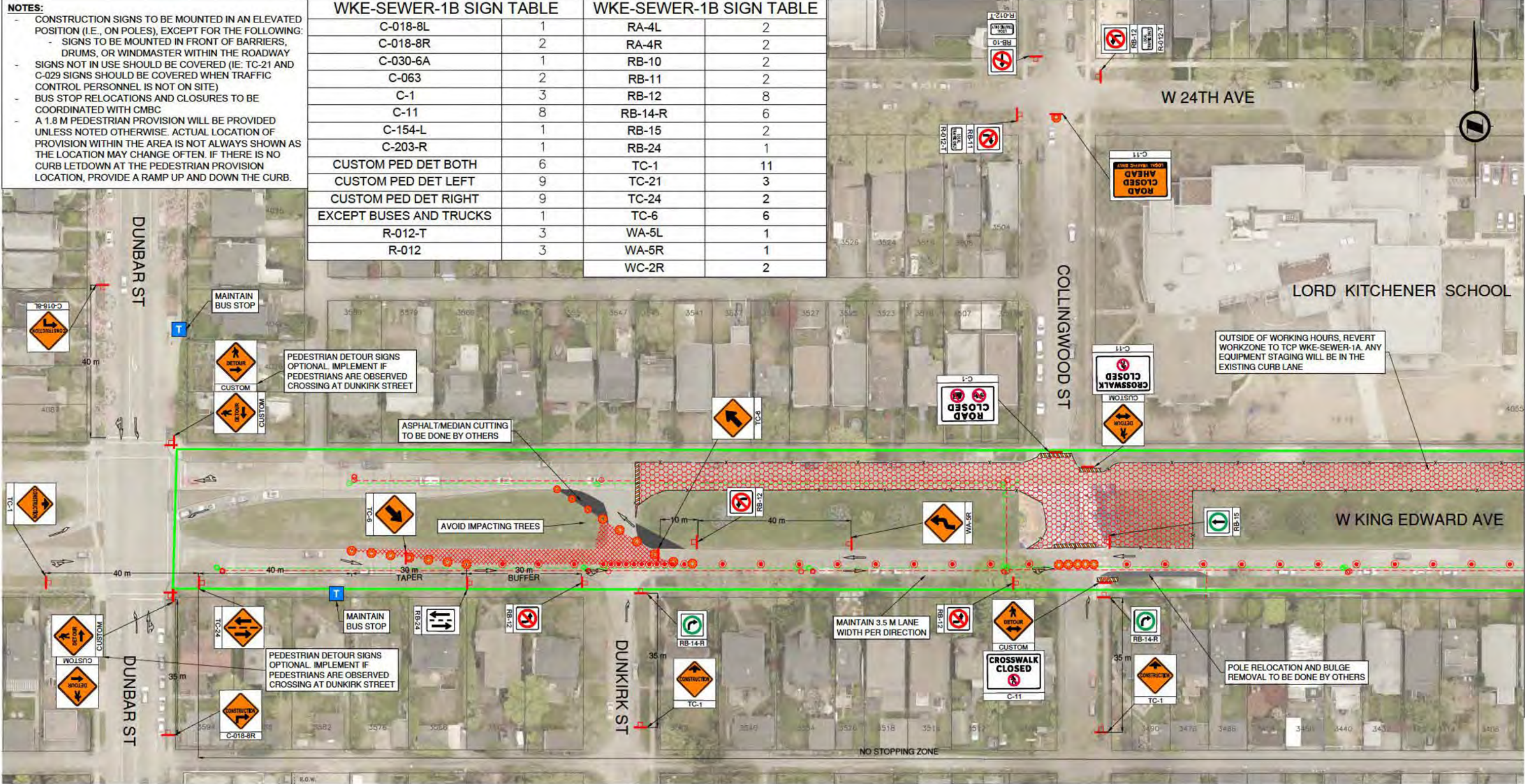
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WKE-SEWER-1B SIGN TABLE

C-018-8L	1
C-018-8R	2
C-030-6A	1
C-063	2
C-1	3
C-11	8
C-154-L	1
C-203-R	1
CUSTOM PED DET BOTH	6
CUSTOM PED DET LEFT	9
CUSTOM PED DET RIGHT	9
EXCEPT BUSES AND TRUCKS	1
R-012-T	3
R-012	3

WKE-SEWER-1B SIGN TABLE

RA-4L	2
RA-4R	2
RB-10	2
RB-11	2
RB-12	8
RB-14-R	6
RB-15	2
RB-24	1
TC-1	11
TC-21	3
TC-24	2
TC-6	6
WA-5L	1
WA-5R	1
WC-2R	2



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DESIGN VEHICLE	B-12

K.BULLIVANT  
ENGINEER OF RECORD  
DATE 2022-07-14

SCALE	0 5 1:500 25m	CAD FILENAME	22-0441 - WKEU - SEWER TCP.DWG
REV	DATE	REVISIONS	SIGNATURE
0	2022-07-14	FINAL - FOR IMPLEMENTATION	K.BULLIVANT

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K.F. BIRNEY & ASSOCIATES LTD.  
301 - 4400 Canada Way  
Burnaby BC V5C 4K5  
TEL 604 461 1721  
BIRNEY.COM

DESIGNED	K.HUANG	DATE	2022-07-14
QUALITY CONTROL	K.BULLIVANT	DATE	2022-07-14
QUALITY ASSURANCE	M.WOOD	DATE	2022-07-14
DRAWN	K.HUANG	DATE	2022-07-14

FINAL - FOR IMPLEMENTATION

TRAFFIC CONTROL PLAN  
WEST KIND EDWARD UPGRADE

W. KING ED PROJECT - SEWERS - SETUP 1B

FILE NUMBER	PROJECT NUMBER	REV	DRAWING NUMBER	REV
22-0441-00	22-0441	1	WKE-SEWER-1B-P1	0



TRAFFIC CONTROL SYMBOLS

BIKE DETOUR

FLEXIBLE TRAFFIC DRUMS

WORK ZONE

CLASS 1 BARRICADES

LANE CLOSURE AREA

TYPE-D TUBULAR MARKER

OPPOSING TRAFFIC LANE DIVIDERS

TRAFFIC SIGNAGE

CONCRETE BARRIER

TRAFFIC CONTROL PERSONNEL

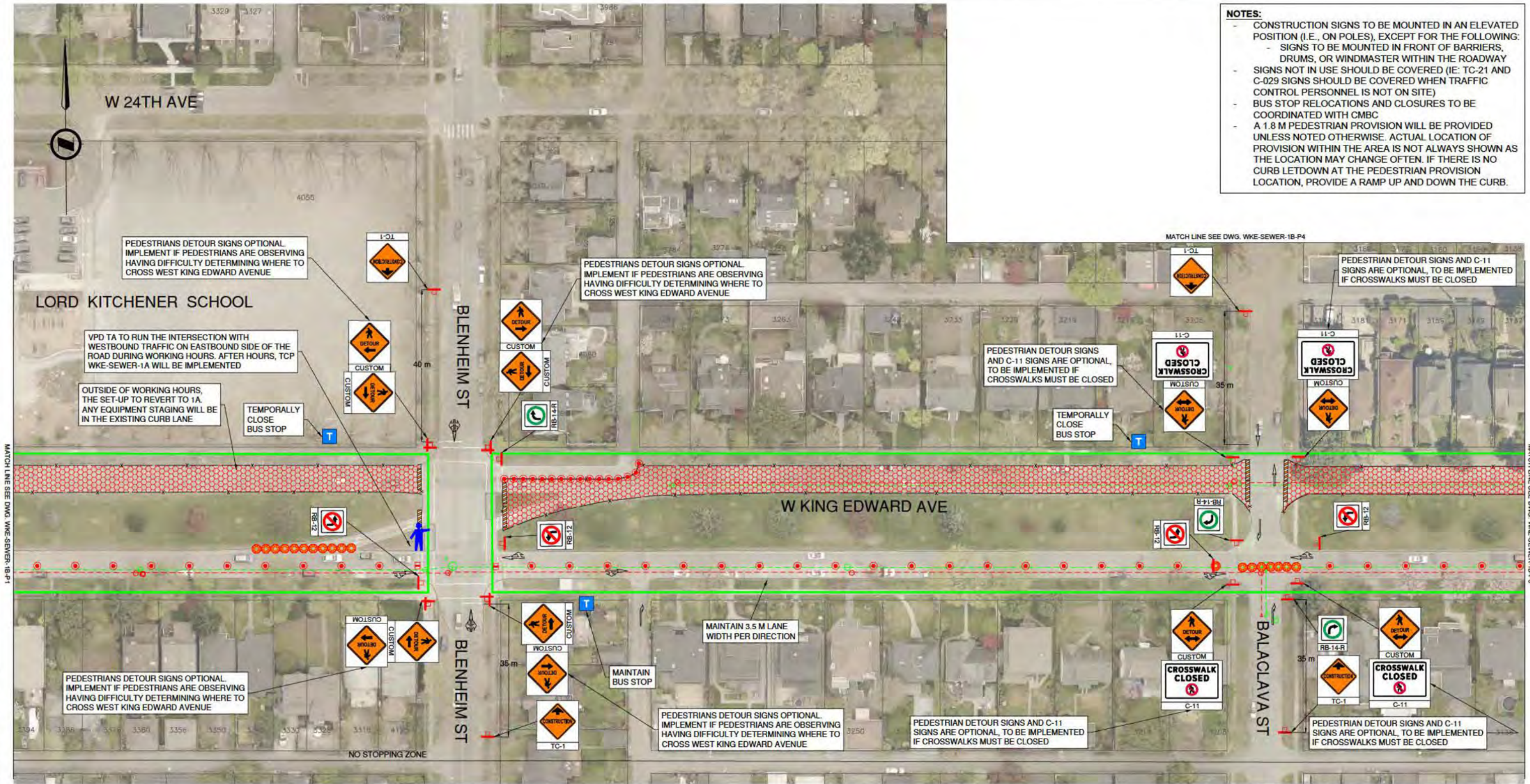
FENCE

VANCOUVER POLICE PERSONNEL

BUS STOP

PEDESTRIAN DETOUR

- NOTES:
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EXISTING POSTED SPEED	50km/h
CONSTRUCTION POSTED SPEED	50km/h
DESIGN VEHICLE	B-12

K.BULLIVANT  
ENGINEER OF RECORD  
DATE 2022-07-14

SCALE 0 5 1:500 25m		CAD FILENAME 22-0441 - WKEU - SEWER TCP.DWG
REV DATE REVISIONS SIGNATURE		DATE 2022-07-14
0	2022-07-14	FINAL - FOR IMPLEMENTATION
		K.BULLIVANT

DESIGNED K.HUANG DATE 2022-07-14

QUALITY CONTROL K.BULLIVANT DATE 2022-07-14

QUALITY ASSURANCE M.WOOD DATE 2022-07-14

DRAWN K.HUANG DATE 2022-07-14

FINAL - FOR IMPLEMENTATION				
TRAFFIC CONTROL PLAN				
WEST KING EDWARD UPGRADE				
W. KING ED PROJECT - SEWERS - SETUP 1B				
FILE NUMBER	PROJECT NUMBER	REV	DRAWING NUMBER	REV
22-0441-00	22-0441	1	WKE-SEWER-1B-P2	0



TRAFFIC CONTROL SYMBOLS

BIKE DETOUR

FLEXIBLE TRAFFIC DRUMS  
WORK ZONE

CLASS 1 BARRICADES  
LANE CLOSURE AREA

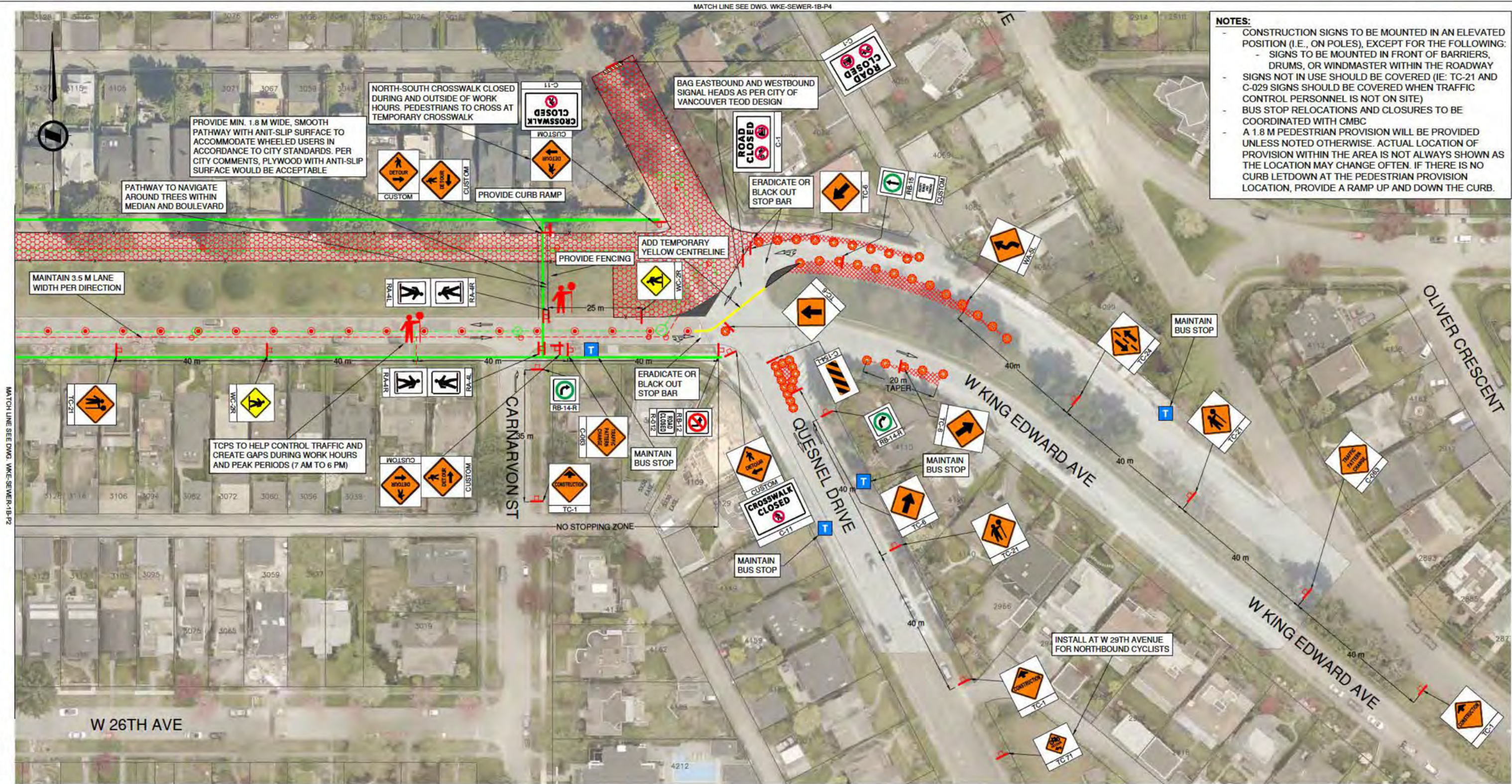
TYPE-D TUBULAR MARKER  
OPPOSING TRAFFIC LANE DIVIDERS

TRAFFIC SIGNAGE  
CONCRETE BARRIER

TRAFFIC CONTROL PERSONNEL  
FENCE

PEDESTRIAN DETOUR

VANCOUVER POLICE PERSONNEL  
BUS STOP



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EXISTING POSTED SPEED 50km/h  
CONSTRUCTION POSTED SPEED 50km/h  
DESIGN VEHICLE B-12

K.BULLIVANT  
ENGINEER OF RECORD  
DATE 2022-07-14

REV	DATE	REVISIONS	SIGNATURE
0	2022-07-14	FINAL - FOR IMPLEMENTATION	K.BULLIVANT

DESIGNED: K.HUANG DATE: 2022-07-14  
QUALITY CONTROL: K.BULLIVANT DATE: 2022-07-14  
QUALITY ASSURANCE: M.WOOD DATE: 2022-07-14  
DRAWN: K.HUANG DATE: 2022-07-14

BINNIE & ASSOCIATES LTD.  
500 - 4040 Canada Way  
Burnaby BC V5C 4E5  
TEL: 604.293.2721  
BINNIE.COM

FINAL - FOR IMPLEMENTATION

TRAFFIC CONTROL PLAN  
WEST KIND EDWARD UPGRADE  
W. KING ED PROJECT - SEWERS - SETUP 1B

FILE NUMBER	PROJECT NUMBER	REV	DRAWING NUMBER	REV
22-0441-00	22-0441	1	WKE-SEWER-1B-P3	0



TRAFFIC CONTROL SYMBOLS

BIKE DETOUR

FLEXIBLE TRAFFIC DRUMS

WORK ZONE

CLASS 1 BARRICADES

LANE CLOSURE AREA

TYPE-D TUBULAR MARKER

OPPOSING TRAFFIC LANE DIVIDERS

TRAFFIC SIGNAGE

CONCRETE BARRIER

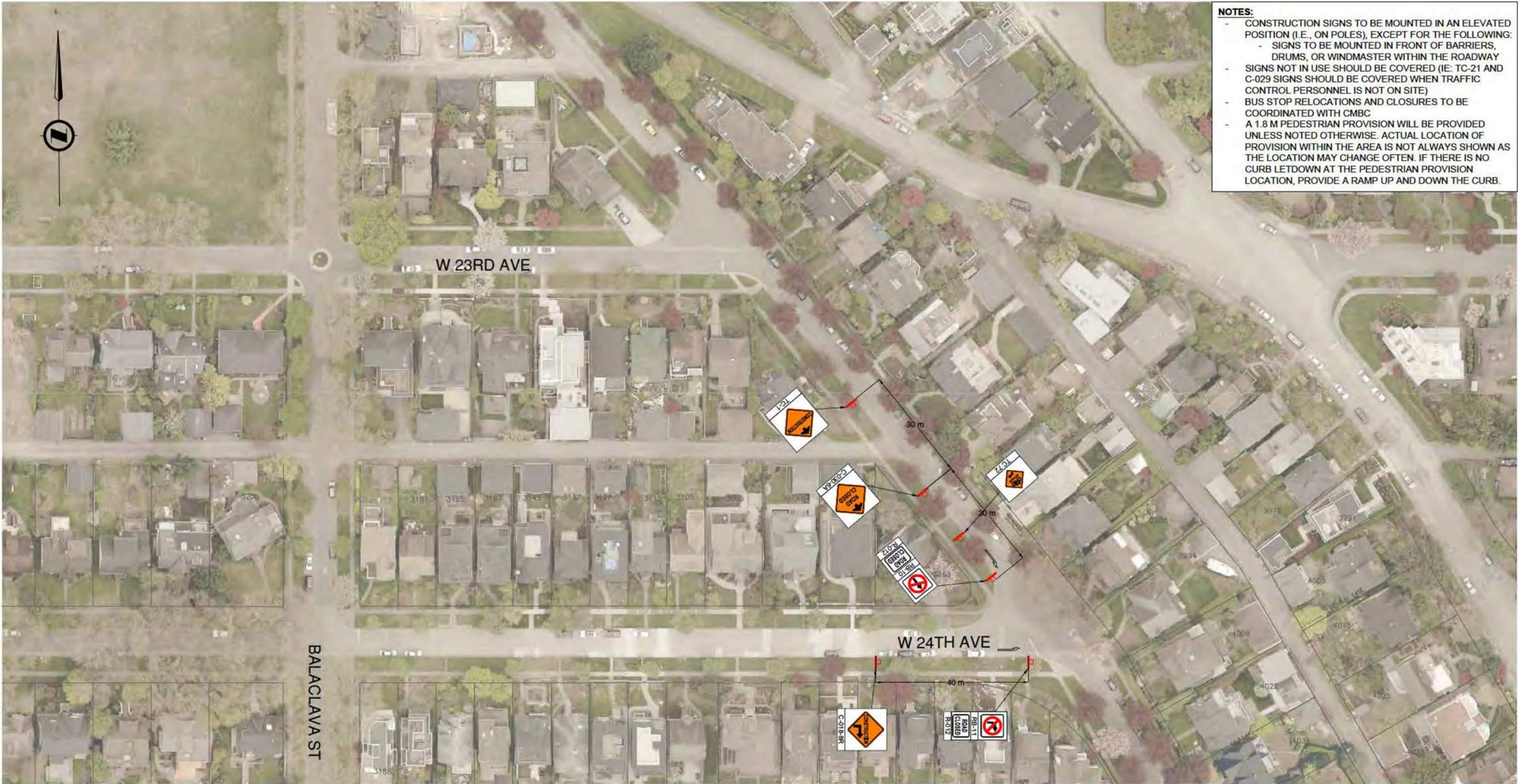
TRAFFIC CONTROL PERSONNEL

FENCE

VANCOUVER POLICE PERSONNEL

PEDESTRIAN DETOUR

BUS STOP



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K.BULLIVANT  
ENGINEER OF RECORD  
DATE 2022-07-14

SCALE 0 5 1:500 25m		CAD FILENAME 22-0441 - WKEU - SEWER TCP.DWG
DATE 2022-07-14		
REV	DATE	REVISIONS
		SIGNATURE
0	2022-07-14	FINAL - FOR IMPLEMENTATION
		K.BULLIVANT

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The people behind your infrastructure



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900 - 6940 Canada Way  
Burnaby BC V5C 4E5  
TEL 604 436 1723  
BINNEY.COM

DESIGNED	K.HUANG	DATE	2022-07-14
QUALITY CONTROL	K.BULLIVANT	DATE	2022-07-14
QUALITY ASSURANCE	M.WOOD	DATE	2022-07-14
DRAWN	K.HUANG	DATE	2022-07-14

FINAL - FOR IMPLEMENTATION

TRAFFIC CONTROL PLAN  
WEST KIND EDWARD UPGRADE

W. KING ED PROJECT - SEWERS - SETUP 1B

FILE NUMBER	PROJECT NUMBER	REV	DRAWING NUMBER	REV
22-0441-00	22-0441	1	WKE-SEWER-1B-P4	0



# TRAFFIC CONTROL SYMBOLS

BIKE DETOUR

FLEXIBLE TRAFFIC DRUMS



CLASS 1 BARRICADES



TYPE-D TUBULAR MARKER



TRAFFIC SIGNAGE



TRAFFIC CONTROL PERSONNEL



VANCOUVER POLICE PERSONNEL



WORK ZONE



LANE CLOSURE AREA



OPPOSING TRAFFIC LANE DIVIDERS



CONCRETE BARRIER



FENCE



PEDESTRIAN DETOUR



BUS STOP



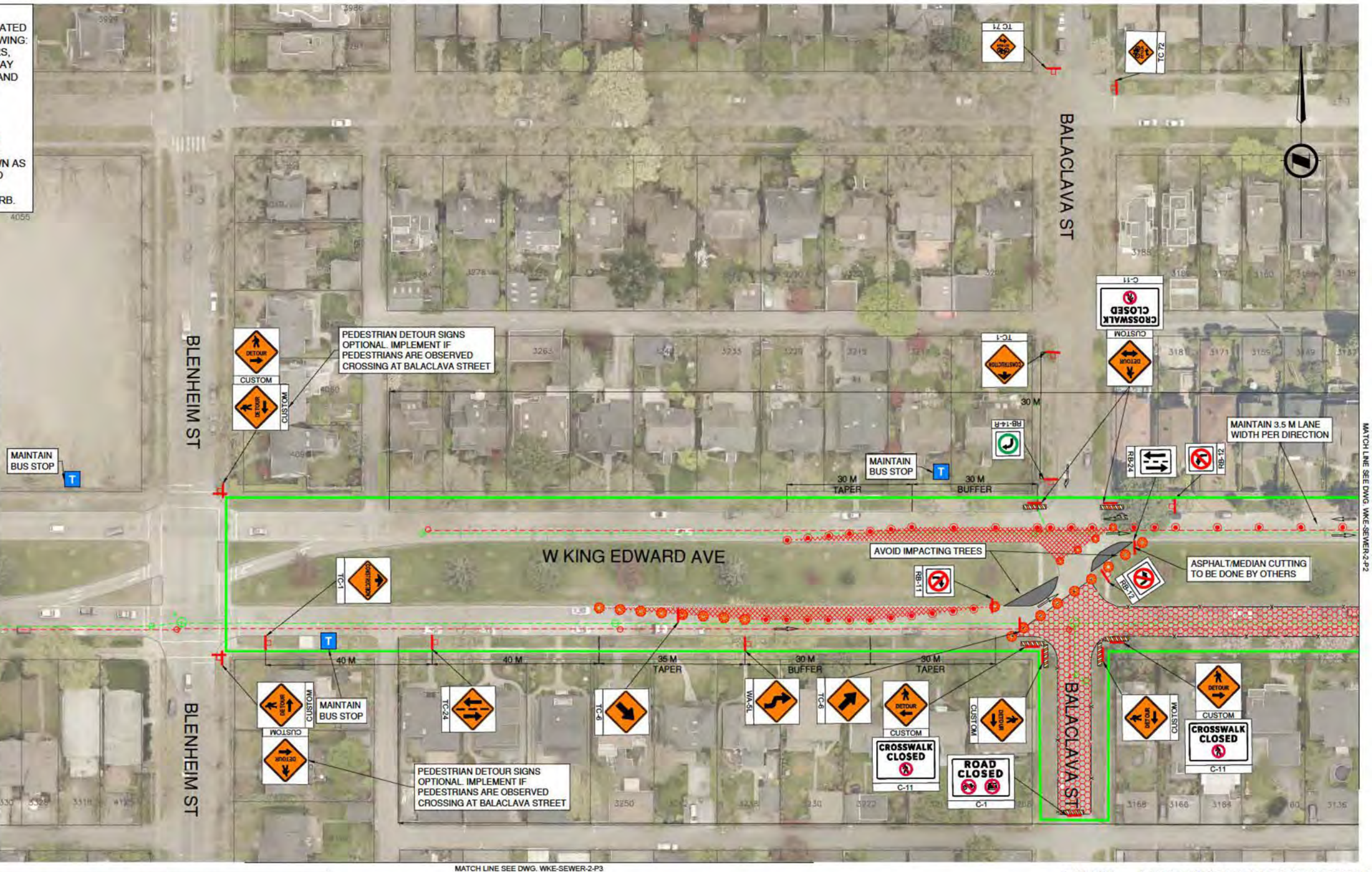
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## LORD KITCHENER SCHOOL

### WKE-SEWER-2 SIGN TABLE

C-1	2
C-11	8
C-154-L	1
CUSTOM PED DET BOTH	2
CUSTOM PED DET LEFT	8
CUSTOM PED DET RIGHT	8
EXCEPT BUSES AND TRUCKS	2
RA-4L	2
RA-4R	2
RB-10	2
RB-11	2
RB-12	7
RB-14-R	3
RB-24	2
RB-25	1
RC-4R-1	1
TC-1	5
TC-6	3
TC-21	3
TC-24	2
TC-70	4
TC-71	4
TC-72	4
WA-5L	1
WA-5R	1
WC-2R	2



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K.BULLIVANT  
ENGINEER OF RECORD  
DATE 2022-07-14

SCALE	0 5 1:500 25m	CAD FILENAME	22-0441 - WKEU - SEWER TCP.DWG
REV	DATE	REVISIONS	SIGNATURE
0	2022-07-14	FINAL - FOR IMPLEMENTATION	K.BULLIVANT

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**CITY OF VANCOUVER**

K.Y. BIRNEY & ASSOCIATES LTD.  
801 - 4040 Canada Way  
Burnaby BC V5C 4K5  
TEL: 604.431.1711  
BIRNEY.COM

DESIGNED: K.HUANG DATE: 2022-07-14  
QUALITY CONTROL: K.BULLIVANT DATE: 2022-07-14  
QUALITY ASSURANCE: M.WOOD DATE: 2022-07-14  
DRAWN: K.HUANG DATE: 2022-07-14

## FINAL - FOR IMPLEMENTATION

### TRAFFIC CONTROL PLAN WEST KIND EDWARD UPGRADE

W, KING ED PROJECT - SEWERS - SETUP 2

FILE NUMBER	PROJECT NUMBER	REV	DRAWING NUMBER	REV
22-0441-00	22-0441	1	WKE-SEWER-2-P1	0



TRAFFIC CONTROL SYMBOLS

BIKE DETOUR

FLEXIBLE TRAFFIC DRUMS  
WORK ZONE

CLASS 1 BARRICADES  
LANE CLOSURE AREA



TYPE-D TUBULAR MARKER  
OPPOSING TRAFFIC LANE DIVIDERS

TRAFFIC SIGNAGE  
CONCRETE BARRIER

TRAFFIC CONTROL PERSONNEL  
FENCE

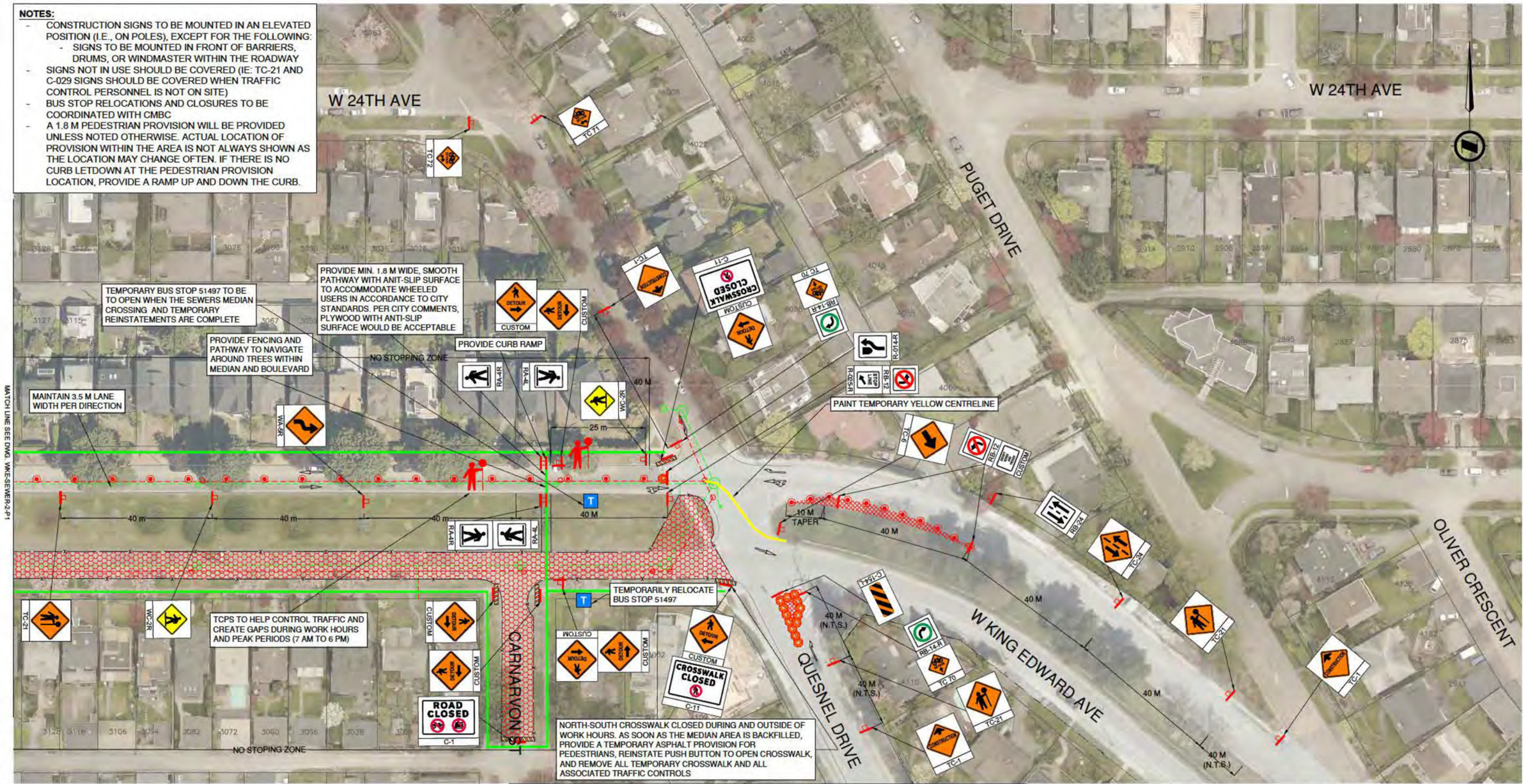
PEDESTRIAN DETOUR

VANCOUVER POLICE PERSONNEL  
BUS STOP



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K.BULLIVANT  
ENGINEER OF RECORD  
DATE 2022-07-14

SCALE 0 5 1:500 25m			
CAD FILENAME 22-0441 - WKEU - SEWER TCP.DWG		DATE 2022-07-14	
REV	DATE	REVISIONS	SIGNATURE
0	2022-07-14	FINAL - FOR IMPLEMENTATION	K.BULLIVANT



K.A. BINNIE & ASSOCIATES LTD.  
500 - 4900 Canada Way  
Burnaby, BC V5C 4K5  
TEL: 604.436.1773  
BINNIE.COM

DESIGNED	K.HUANG	DATE	2022-07-14
QUALITY CONTROL	K.BULLIVANT	DATE	2022-07-14
QUALITY ASSURANCE	M.WOOD	DATE	2022-07-14
DRAWN	K.HUANG	DATE	2022-07-14

FINAL - FOR IMPLEMENTATION

TRAFFIC CONTROL PLAN  
WEST KING EDWARD UPGRADE  
W. KING ED PROJECT - SEWERS - SETUP 2

FILE NUMBER	PROJECT NUMBER	REV	DRAWING NUMBER	REV
22-0441-00	22-0441	1	WKE-SEWER-2-P2	0



TRAFFIC CONTROL SYMBOLS

BIKE DETOUR

FLEXIBLE TRAFFIC DRUMS  
WORK ZONE

CLASS 1 BARRICADES  
LANE CLOSURE AREA

TYPE-D TUBULAR MARKER  
OPPOSING TRAFFIC LANE DIVIDERS

TRAFFIC SIGNAGE  
CONCRETE BARRIER

TRAFFIC CONTROL PERSONNEL  
FENCE

PEDESTRIAN DETOUR

VANCOUVER POLICE PERSONNEL  
BUS STOP



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- SIGNS NOT IN USE SHOULD BE COVERED (IE: TC-21 AND C-029 SIGNS SHOULD BE COVERED WHEN TRAFFIC CONTROL PERSONNEL IS NOT ON SITE)
- BUS STOP RELOCATIONS AND CLOSURES TO BE COORDINATED WITH CMBC
- A 1.8 M PEDESTRIAN PROVISION WILL BE PROVIDED UNLESS NOTED OTHERWISE. ACTUAL LOCATION OF PROVISION WITHIN THE AREA IS NOT ALWAYS SHOWN AS THE LOCATION MAY CHANGE OFTEN. IF THERE IS NO CURB LETDOWN AT THE PEDESTRIAN PROVISION LOCATION, PROVIDE A RAMP UP AND DOWN THE CURB.



NOTE: HOLLOW ARROWS INDICATE DIRECTION OF TRAVEL ONLY. SOLID ARROWS TO BE PROVIDED AS PAVEMENT MARKINGS.

GENERAL TRAFFIC MANAGEMENT REQUIREMENTS:

MAXIMUM DISTANCE BETWEEN TUBULAR MARKER	10.0m
MAXIMUM DISTANCE BETWEEN BARRELS	5.0m
MINIMUM LANE WIDTH	3.5m
EXISTING POSTED SPEED	50km/h
CONSTRUCTION POSTED SPEED	50km/h
DESIGN VEHICLE	B-12

K.BULLIVANT  
ENGINEER OF RECORD  
DATE 2022-07-14

SCALE 0 5 1:500 25m		CAD FILENAME 22-0441 - WKEU - SEWER TCP.DWG
REV DATE REVISIONS SIGNATURE		DATE 2022-07-14
0	2022-07-14	FINAL - FOR IMPLEMENTATION K.BULLIVANT

BINNIE  
The people behind your infrastructure



K.A. BINNIE & ASSOCIATES LTD.  
800 - 690-0441  
Vancouver, BC V6C 4K5  
TEL 604 681 1721  
BINNIE.COM

DESIGNED K.HUANG	DATE 2022-07-14
QUALITY CONTROL K.BULLIVANT	DATE 2022-07-14
QUALITY ASSURANCE M.WOOD	DATE 2022-07-14
DRAWN K.HUANG	DATE 2022-07-14

FINAL - FOR IMPLEMENTATION

TRAFFIC CONTROL PLAN  
WEST KIND EDWARD UPGRADE

W. KING ED PROJECT - SEWERS - SETUP 2

FILE NUMBER 22-0441-00	PROJECT NUMBER 22-0441	REV 1	DRAWING NUMBER WKE-SEWER-2-P3	REV 0
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TRAFFIC CONTROL SYMBOLS

BIKE DETOUR

FLEXIBLE TRAFFIC DRUMS  
WORK ZONE

CLASS 1 BARRICADES  
LANE CLOSURE AREA

TYPE-D TUBULAR MARKER  
OPPOSING TRAFFIC LANE DIVIDERS

TRAFFIC SIGNAGE  
CONCRETE BARRIER

TRAFFIC CONTROL PERSONNEL  
FENCE

PEDESTRIAN DETOUR

VANCOUVER POLICE PERSONNEL  
BUS STOP

- NOTES:
- CONSTRUCTION SIGNS TO BE MOUNTED IN AN ELEVATED POSITION (I.E., ON POLES), EXCEPT FOR THE FOLLOWING:
    - SIGNS TO BE MOUNTED IN FRONT OF BARRIERS, DRUMS, OR WINDMASTER WITHIN THE ROADWAY
  - SIGNS NOT IN USE SHOULD BE COVERED (IE: TC-21 AND C-029 SIGNS SHOULD BE COVERED WHEN TRAFFIC CONTROL PERSONNEL IS NOT ON SITE)
  - BUS STOP RELOCATIONS AND CLOSURES TO BE COORDINATED WITH CMBC
  - A 1.8 M PEDESTRIAN PROVISION WILL BE PROVIDED UNLESS NOTED OTHERWISE. ACTUAL LOCATION OF PROVISION WITHIN THE AREA IS NOT ALWAYS SHOWN AS THE LOCATION MAY CHANGE OFTEN. IF THERE IS NO CURB LETDOWN AT THE PEDESTRIAN PROVISION LOCATION, PROVIDE A RAMP UP AND DOWN THE CURB.



MATCH LINE SEE DWG. WKE-SEWER-2-P3

MATCH LINE SEE DWG. WKE-SEWER-2-P2

NOTE: HOLLOW ARROWS INDICATE DIRECTION OF TRAVEL ONLY. SOLID ARROWS TO BE PROVIDED AS PAVEMENT MARKINGS.

GENERAL TRAFFIC MANAGEMENT REQUIREMENTS:

MAXIMUM DISTANCE BETWEEN TUBULAR MARKER	10.0m
MAXIMUM DISTANCE BETWEEN BARRELS	5.0m
MINIMUM LANE WIDTH	3.5m
EXISTING POSTED SPEED	50km/h
CONSTRUCTION POSTED SPEED	50km/h
DESIGN VEHICLE	B-12

K.BULLIVANT  
ENGINEER OF RECORD  
DATE 2022-07-14

SCALE		0 5 1:500 25m	CAD FILENAME	22-0441 - WKEU - SEWER TCP.DWG
REV		DATE	REVISIONS	SIGNATURE
0		2022-07-14	FINAL - FOR IMPLEMENTATION	K.BULLIVANT

BINNIE  
The people behind your infrastructure



K.A. BINNIE & ASSOCIATES LTD.  
100 - 6900 Canada Way  
Burnaby, BC V5C 4K5  
TEL: 604.431.1773  
BINNIE.COM

DESIGNED	K.HUANG	DATE	2022-07-14
QUALITY CONTROL	K.BULLIVANT	DATE	2022-07-14
QUALITY ASSURANCE	M.WOOD	DATE	2022-07-14
DRAWN	K.HUANG	DATE	2022-07-14

FINAL - FOR IMPLEMENTATION

TRAFFIC CONTROL PLAN  
WEST KIND EDWARD UPGRADE

W. KING ED PROJECT - SEWERS - SETUP 2

FILE NUMBER	PROJECT NUMBER	REV	DRAWING NUMBER	REV
22-0441-00	22-0441	1	WKE-SEWER-2-P4	0



West King Edward / Quesnel Sewer Project

Vendor List 2022

Kodiak excavators – 604.657.1957

Sanghera Trucking – 604.649.8176

Neufeld Trucking - 604.230.8130

Sea to Sky - 604.817.2313

Heidelberg Materials – 604.261.6751

Mc Raes Hydro vac - 604.434.8313

Super Save - 800.665.7800

Ansan Traffic Control 604.270.1535

Stantec ( Geo- Tech ) 604.436.3014

Pacific Safety - 780.278.1696

Urban Saw - 604.861.9418

Busters Towing - 604.240-1206



DATE July 19, 22 TIME 1am  
LOCATION: Quenel + W. King  
Multisite? Y ☒ (N)

SITE SUPERVISOR John Plamondon  
SIGNATURE [Signature]  
CREW 3

CONDITIONS Temp: 29°C ☒ Clear ☐ Overcast ☐ Rain ☐ Snow ☐ Windy

## WORK PLAN FOR THE SHIFT:

Jackhammer the asphalt on D-2 north  
quick cut the mat  
Excavate + shore main trench.  
Lay 1350 + 325 pipe.

## SAFETY ISSUES

Traffic Plan Discussed: ☒ Y ☐ N Pedestrian Concerns: ☒ Y ☐ N Cyclist Concerns: ☒ Y ☐ N  
PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear ☒ Y ☐ N Detoured bike route  
Respiratory Hazards, Asbestos, Silica, Other: ☒ Y ☐ N Instructions: N-95 or respirator mask is worn when working around asbestos containing  
grading PVC pipe.

Confined Space Entry ☒ Y ☐ (N) Confined Space Permit Completed ☒ Y ☐ (N)

Location of entry:

Fall Protection Required ☒ Y ☐ N Instructions:

Block, harness + lifeline in use when work is completed on the  
open trench side of the guard rail control zone. Guard rails are  
in place surrounding trench.

First Aid Attendant: Level required on site: 1 ☒ (2) Name of attendant: John Plamondon ☐ (N) on site?  
Other:

## OVERHEAD HAZARDS

Trolley Lines ☒ Y ☐ (N) Controls/Instructions/Securing/Limits of Approach? Trees are trimmed  
Electrical ☒ Y ☐ (N)  
Street Lighting ☒ Y ☐ (N)  
Other: (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site ☒ Y ☐ N Instructions: All utilities have been Hydro

Underground Hazards & Controls? (Examples: tidal flows, contaminated ~~groundwater~~ wastewater, etc.)

300 water is on Bot trench. 150 water is stripped, 40 yd main  
is stripped, 9 ft + 12 ft conduct is stripped.

Soil Conditions? Type C

Geo Tech Requirement? ☒ Y ☐ N Instructions (Examples: set backs, instructions on site, etc.)

Poster in the foreman's sheet.

Padman / Spotter Required? ☒ Y ☐ N Mechanical Excavating Record to be completed by Paul Shumway

Utility Marks identified and clear? ☒ Y ☐ N Match utility plan? ☒ Y ☐ N

Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.)

Light to trench walls with bulkheads where required.  
Steel sets, steel plates steel plate.



## CHANGES / ADDITIONS

(Change in Condition)

## IN ATTENDANCE

## PRINT NAME

1	John Plavich	16
2	Rob. Bernard	17
3	Paul Makshin	18
4	Adam McLeod	19
5	Farhad Shirina	20
6	Sam Dhillon	21
7	Chris Wood	22
8	Mich. Gni	23
9	Met. Bond	24
10	Harjit Singh	25
11	Joseph Dhillon	26
12		27
13		28
14		29
15		30

Pisco Ops

## HIRED EQUIPMENT (Backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL / ACT..

Visitors and workers new to the site must be oriented to hazards and procedures.

## PRINT NAME and COMPANY

## ARRIVED ON SITE

## SIGNATURE

1	M. Lilled Kanka	Asas
2	Flavio R.	Asas
3	Jessica F	Asas
4	Fitchie Wood	Kodak
5		
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13		

## ADDITIONAL INFORMATION/INSTRUCTIONS

s.22(1)

Lwt her back in the mss. jckhammerly.

s.22(1)

Family Day



DATE July 20, 22 TIME 7am  
 LOCATION: Quenel + Line 80  
 Multisite? Y ☒ (N)

SITE SUPERVISOR John Flamingio  
 SIGNATURE [Signature]  
 CREW 3

CONDITIONS Temp: 29°C ☒ (Clear) ☐ Overcast ☐ Rain ☐ Snow ☐ Windy

## WORK PLAN FOR THE SHIFT:

- Excavate and lay 2x 1350 + 375
- 20' coy cut
- 2x 16x8 plates + 2x 45' shore
- Quick set - for DR mfg.
- 375 channel re-grouted

## SAFETY ISSUES

Traffic Plan Discussed: ☒ (Y) ☐ (N) Pedestrian Concerns: ☒ (Y) ☐ (N) Cyclist Concerns: ☒ (Y) ☐ (N)  
 PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear ☒ (Y) ☐ (N)  
 Respiratory Hazards, Asbestos, Silica, Other: ☒ (Y) ☐ (N) Instructions: N-95 or respiratory mask is use every cement or other golden  
the ppe.

Confined Space Entry Y ☒ (N) MA Confined Space Permit Completed Y ☒ (N)  
 Location of entry:

Fall Protection Required ☒ (Y) ☐ (N) Instructions: Block & harness use when work is completed on the open trench side  
of the guard rail control zone.

First Aid Attendant: Level required on site: 1 ☒ (2) Name of attendant: Dosh Hauf Certificate on site?  
 Other

## OVERHEAD HAZARDS

Trolley Lines Y ☒ (N) Controls/Instructions/Securing/Limits of Approach? Trees trimmed  
 Electrical Y ☒ (N)  
 Street Lighting Y ☒ (N)  
 Other (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site ☒ (Y) ☐ (N) Instructions: All utilities have been Hydro Vac  
 Underground Hazards & Controls? (Examples: tidal flows, contaminated soils, utilities, wastewater, etc.)  
200 waste man throttled down, 40 gal, 100lb condant and 150 water man  
superficial by 2 resin  
 Soil Conditions? type 1  
 Geo Tech Requirement? ☒ (Y) ☐ (N) Instructions (Examples: set backs, instructions on site, etc.)  
Ported 12' the foreman's check.

Padman / Spotter Required? ☒ (Y) ☐ (N) Mechanical Excavating Record to be completed by Faunt Shinas  
 Utility Marks identified and clear? ☒ (Y) ☐ (N) Match utility plan? ☒ (Y) ☐ (N)  
 Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.)  
Tight to trench walls with bulk heads when required  
steel sets, steel poles + steel plates.



## CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

PRINT NAME		
1	John Plavinski	16
2	Rob Benner	17
3	Dan Mahala	18
4	Ram Miller	19
5	Robert Doherty	20
6	Kathy Miller	21
7	Eric Legrand	22
8	CS	23
9	John Hough	24
10	Lowell Thomas	25
11	Met. Bros	26
12	Harjit Singh	27
13		28
14		29
15		30

Dyco Dyne

## HIRED EQUIPMENT (Backhoes, trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL / ACT.

Visitors and workers new to the site must be oriented to hazards and procedures.

PRINT NAME and COMPANY			ARRIVED ON SITE	SIGNATURE
1	Michelle Charka	Arco	7	
2				
3	Travis R.	Arco	7	
4				
5	Jessie F	Arco	7	
6				
7	Robin Wood	Kadlec	7	
8				
9				
10				
11				
12				
13				

## ADDITIONAL INFORMATION/INSTRUCTIONS



DATE <u>July 21, 22</u> TIME <u>1am</u> LOCATION: <u>Quinal: W-K-100</u> Multisite? <u>Y</u> <u>N</u>	SITE SUPERVISOR <u>John Haman</u> SIGNATURE <u>[Signature]</u> CREW <u>3</u>
---	--

CONDITIONS Temp: (Clear) Overcast Rain Snow Windy

## WORK PLAN FOR THE SHIFT:

- Pull 20' cage and backfill towards front end
- Pull shoring South of 20' pit and backfill + compaction depth
- Excavate towards D-2
- Lay 1350 + 375 to grade to 4

## SAFETY ISSUES

Traffic Plan Discussed: Y N Pedestrian Concerns: Y N Cyclist Concerns: Y N  
 PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear Y N  
 Respiratory Hazards, Asbestos, Silica, Other: Y N Instructions: N-95 mask in use while cutting or fitting PE pipe

Confined Space Entry Y N Confined Space Permit Completed Y N  
 Location of entry: \_\_\_\_\_  
 Fall Protection Required Y N Instructions: Block + bracing + lifeline in use while workers completed on the open track side of the guard rail control zone

First Aid Attendant: \_\_\_\_\_ Level required on site: 1 2 Name of attendant: JOHN HAMAN Certificate on site? Y  
 Other \_\_\_\_\_

## OVERHEAD HAZARDS

Trolley Lines Y N Controls/Instructions/Securing/Limits of Approach? Tree trimming  
 Electrical Y N  
 Street Lighting Y N  
 Other \_\_\_\_\_ (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site Y N Instructions: All utilities are hydro exposed  
 Underground Hazards & Controls? (Examples: tidal flows, contaminated soils, utilities, wastewater, etc.)  
300 water throttles down, 150 water supports, 40 gas main supports, 8L + tracking conduit supports  
 Soil Conditions? type 1  
 Geo Tech Requirement? Y N Instructions (Examples: set backs, instructions on site, etc.)  
Porters - the boomers stuck  
 Padman / Spotter Required? Y N Mechanical Excavating Record to be completed by M.L. BAI  
 Utility Marks identified and clear? Y N Match utility plan? Y N  
 Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.)  
Tight to track walls with back bands + steel plates



## CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

## PRINT NAME

1	Jahr Ramon	16	Dusko Djordjevic
2	Rob Bryson	17	
3	J. Mahabadi	18	
4	F. Sharma	19	
5	J. Singh	20	
6	P. DeFranco	21	
7	P. Pudo	22	
8	R. Singh	23	
9		24	
10		25	
11		26	
12		27	
13		28	
14		29	
15		30	

## HIRED EQUIPMENT (Backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL / ACT.

Visitors and workers new to the site must be oriented to hazards and procedures.

## PRINT NAME and COMPANY

## ARRIVED ON SITE

## SIGNATURE

1	Michelle Okunaka	Arr	7	
2	Bonnie	Arr	7	
3	Travis R.	Arr	7	
4				
5	R. John Wood	Arr	7	
6				
7				
8	Jessie F.	Arr	7	
9				
10				
11				
12				
13				

## ADDITIONAL INFORMATION/INSTRUCTIONS

s.22(1)

7100

s.22(1)

7100

s.22(1)

WOS



DATE July 22, 22 TIME 7am  
LOCATION: Chesnut + W King RD  
Multisite? Y N

SITE SUPERVISOR John Plawski  
SIGNATURE [Signature]  
CREW 3

CONDITIONS Temp: 27°C Clear Overcast Rain Snow Windy

WORK PLAN FOR THE SHIFT: Hot weather plan in effect. Micro breaks  
water intake.

- Dig for 20' case.
- set bleeder for weeks
- confined space entry to break at wire wall
- grant casting for D2

## SAFETY ISSUES

Traffic Plan Discussed: Y N Pedestrian Concerns: Y N Cyclist Concerns: Y N  
PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear Y N  
Respiratory Hazards, Asbestos, Silica, Other: Y N Instructions: N-95 mask in case when cutting or grinding the pipe.

Confined Space Entry Y N Confined Space Permit Completed Y N  
Location of entry: man @ Chesnut + W King RD

Fall Protection Required Y N Instructions: Block + harness + life line in case when work is completed on the open trench side of the guard rail control zone.  
Guard rails in position

First Aid Attendant: Level required on site: 1 2 Name of attendant: Chiff Lewis Certificate on site?

## OVERHEAD HAZARDS

Trolley Lines Y N Controls/Instructions/Securing/Limits of Approach? Trees Trimmed  
Electrical Y N  
Street Lighting Y N  
Other (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site Y N Instructions: Utilities Hydro exposed

Underground Hazards & Controls? (Examples: tidal flows, contaminated soils, utilities, wastewater, etc.)  
300 w threethrough down, 40 pas strapper, 100 w strapper, 8L + traffic control strapper.

Soil Conditions? typical  
Geo Tech Requirement? Y N Instructions: (Examples: set backs, instructions on site, etc.)  
fortified in the formers stage

Padman / Spotter Required? Y N Mechanical Excavating Record to be completed by Nic Shi  
Utility Marks identified and clear? Y N Match utility plan? Y N

Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.)  
Tight to trench walls with bulk heads where required  
steel, steel piles, steel plates.



## CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

## PRINT NAME

1	John Ploninski	16	Dusko Opac
2	Paul Meloshin	17	
3	Frank Shumard	18	
4	Parker Redd	19	
5	Kody Walston	20	
6	Mike Galt	21	
7	RAG Singh	22	
8	Mark Reid	23	
9	Adam McLeod	24	
10	Travis Williams	25	
11		26	
12		27	
13		28	
14		29	
15		30	

## HIRED EQUIPMENT (Backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL / ACT.

Visitors and workers new to the site must be oriented to hazards and procedures.

## PRINT NAME and COMPANY

## ARRIVED ON SITE

## SIGNATURE

1	Michelle Alstho	Arpa	7	
2	Brian	Arpa	7	
3	Travis R	Arpa	7	
4	Jessie F.	Arpa	7	
5	Angela	Kodak	7	
6				
7				
8				
9				
10				
11				
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13				

## ADDITIONAL INFORMATION/INSTRUCTIONS



DATE July 25 / 2022 TIME 7am  
LOCATION: Quiesnel + King Edward  
Multisite? Y ☒ N

SITE SUPERVISOR Joel Malzahn  
SIGNATURE [Signature]  
CREW 3

CONDITIONS Temp: 25+ ☒ Clear ☐ Overcast ☐ Rain ☐ Snow ☐ Windy

WORK PLAN FOR THE SHIFT: Hot weather plan in effect - breaks + water  
dig inside 20' cage  
Backfill + compaction around D2  
Site cleanup + organization

## SAFETY ISSUES

Traffic Plan Discussed: ☒ N Pedestrian Concerns: ☒ N Cyclist Concerns: ☒ N  
PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear ☒ N  
Respiratory Hazards, Asbestos, Silica, Other: ☒ N Instructions: N-95 mask in use when cutting + grinding PVC pipe.

Confined Space Entry ☒ N Confined Space Permit Completed ☒ N  
Location of entry: \_\_\_\_\_  
Fall Protection Required ☒ N Instructions: Block + Harness + lifeline in use. Guard rails + Bases

First Aid Attendant: Level required on site: 1 ☒ 2 Name of attendant: Cliff Lewis (Boring) on site?  
Other \_\_\_\_\_

## OVERHEAD HAZARDS

Trolley Lines ☒ N Controls/Instructions/Securing/Limits of Approach? Trees trimmed  
Electrical ☒ N  
Street Lighting ☒ N  
Other \_\_\_\_\_ (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site ☒ N Instructions: utilities hydro exposed  
Underground Hazards & Controls? (Examples: tidal flows, contaminated soils, utilities, wastewater, etc.)  
300 water throttled down, 40mm gas, 150mm water, Street light + tank's  
Soil Conditions? type C  
Geo Tech Requirement? ☒ N Instructions (Examples: set backs, instructions on site, etc.)  
foreman trailer  
Padman / Spotter Required? ☒ N Mechanical Excavating Record to be completed by Nick Ehl  
Utility Marks identified and clear? ☒ N Match utility plan? ☒ N  
Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.)  
tight to trench walls with bulk heads were required  
for shoring, steel piles, steel plates



## CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

## PRINT NAME

1	Joel Molzahn	16	Dusko Djac2
2	Eric Kore	17	
3	Jesse Sangera	18	
4	Nick Khl	19	
5	Faisal Shirwa	20	
6	Pam Drillon	21	
7	Parker Duda	22	
8	Adam McLean	23	
9	Travis Williams	24	
10	Matt Rado	25	
11	Parker Duda	26	
12		27	
13		28	
14		29	
15	Buck Church Ham	30	

## HIRED EQUIPMENT (Backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL/ ACT.

Visitors and workers new to the site must be oriented to hazards and procedures.

## PRINT NAME and COMPANY

	PRINT NAME and COMPANY	7 ARRIVED ON SITE	SIGNATURE
1	Michelle		
2			
3	Jessica		
4			
5	Travis		
6			
7	Bonnie		
8			
9			
10			
11			
12			
13	Jim Devlin - Kodak		
	Amin - Big Dig		

## ADDITIONAL INFORMATION/INSTRUCTIONS



DATE July 26 / 2022 TIME 7am  
LOCATION: West King Edward + Quesnel  
Multisite? Y ☒ N

SITE SUPERVISOR JOEL MOLZAHN  
SIGNATURE [Signature]  
CREW #3

CONDITIONS Temp: 28+ HOT Clear Overcast Rain Snow Windy

WORK PLAN FOR THE SHIFT: Hot weather plan in effect. Breaks + Water + Sunscreen

- Work on MH S2 + D3
- Site Cleanup + organization
- Work on MH EC 1 - Confined space entry - Fastpatch
- Hydovac to expose utilities.

## SAFETY ISSUES

Traffic Plan Discussed: ☒ N Pedestrian Concerns: ☒ N Cyclist Concerns: ☒ N  
PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear ☒ N  
Respiratory Hazards, Asbestos, Silica, Other: ☒ N Instructions:  
• N95 mask in use when cutting + grinding PVC pipe  
• Hose down road to keep dust down

Confined Space Entry ☒ N Confined Space Permit Completed ☒ N  
Location of entry: West King Edward + Quesnel  
Fall Protection Required ☒ N Instructions:  
Block + Harness + lifeline in use. Guard rails + bases

First Aid Attendant: Level required on site: 1 2 Name of attendant: Cliff Lewis (Permit) Permit on site?  
Other \_\_\_\_\_

## OVERHEAD HAZARDS

Trolley Lines ☒ N Controls/Instructions/Securing/Limits of Approach?  
Electrical ☒ N Trees trimmed  
Street Lighting ☒ N  
Other (Examples: trees, cranes, etc.) \_\_\_\_\_

## EXCAVATION

BC 1 Call & Utility Information on Site ☒ N Instructions: Utilities hydrovaced  
Underground Hazards & Controls? (Examples: tidal flows, contaminated soils, utilities, wastewater, etc.)  
30mm water throttled down, 40mm gas, 150mm water, street light + traffic  
Soil Conditions? Type C  
Geo Tech Requirement? ☒ N Instructions (Examples: set backs, instructions on site, etc.)  
Foreman trailer  
Padman / Spotter Required? ☒ N Mechanical Excavating Record to be completed by Nick Ent  
Utility Marks identified and clear? ☒ N Match utility plan? ☒ N  
Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.)  
Tight to trench walls with Bulk head where required  
Air shoring, steel pile, steel plate



## CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

## PRINT NAME

1	Joel Mulzahn	16
2	Eric Kore	17
3	Jesse Sanghera	18
4	Nick Ehl	19
5	Faisal Shirmo	20
6	Pam Dillon	21
7	Parker Dodd	22
8	Travis Williams	23
9	Matt Road	24
10	Kody Milton	25
11	Buck Church	26
12		27
13		28
14		29
15		30

Dusco Ofjaca

## HIRED EQUIPMENT (Backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL/ ACT..

Visitors and workers new to the site must be oriented to hazards and procedures.

## PRINT NAME and COMPANY

## ARRIVED ON SITE

## SIGNATURE

1	Michelle	Ansar
2	Jessica	
3	Travis	
4		
5		
6	Amin	Big Dig
7		
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12		
13		

7

7

## ADDITIONAL INFORMATION/INSTRUCTIONS



DATE July 27/2022 TIME 7am  
LOCATION: West King Ed + Quesnel  
Multisite? Y ☐

SITE SUPERVISOR Joel Molzahn  
SIGNATURE [Signature]  
CREW #3

CONDITIONS Temp: 25+ HOT ☒ Clear ☐ Overcast ☐ Rain ☐ Snow ☐ Windy

WORK PLAN FOR THE SHIFT: Heat advisory: Follow COV Field heat response plan.  
Heat breaks, cooling station, mister, liquids

- Work on MH D3, S1, S2
- Confined space entry: EC1 - work on fastpatch on channel, smooth walls
- Site cleanup + organization

## SAFETY ISSUES

Traffic Plan Discussed: ☒ Y ☐ N Pedestrian Concerns: ☒ Y ☐ N Cyclist Concerns: ☒ Y ☐ N  
PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear ☒ Y ☐ N  
Respiratory Hazards, Asbestos, Silica, Other: ☒ Y ☐ N Instructions: N-95 mask for cutting + filing pvc pipe  
Use fire hose to keep dust down.

Confined Space Entry ☐ Y ☒ N Confined Space Permit Completed ☐ Y ☒ N  
Location of entry: EC1  
Fall Protection Required ☒ Y ☐ N Instructions: Block, lifeline, harness guard rails + bases

First Aid Attendant: Level required on site: 1 ☒ ☐ Name of attendant: Cliff Lewis (Barin) ☐ Communicate on site?  
Other

## OVERHEAD HAZARDS

Trolley Lines ☐ Y ☒ N Controls/Instructions/Securing/Limits of Approach? Trees trimmed  
Electrical ☐ Y ☒ N  
Street Lighting ☐ Y ☒ N  
Other (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site ☒ Y ☐ N Instructions: Utilities hydrovaced  
Underground Hazards & Controls? (Examples: tidal flows, contaminated soils, utilities, wastewater, etc.)  
300mm water [throttled down], 40mm gas, 150mm water, street light + traffic  
Soil Conditions? Type C  
Geo Tech Requirement? ☒ Y ☐ N Instructions (Examples: set backs, instructions on site, etc.)  
Foreman trailer  
Padman / Spotter Required? ☒ Y ☐ N Mechanical Excavating Record to be completed by Nick Bhl  
Utility Marks identified and clear? ☒ Y ☐ N Match utility plan? ☒ Y ☐ N  
Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.)  
tight to trench walls with bulkheads  
Air Shore, steel pile, steel plates



## CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

## PRINT NAME

1	Jaël Mulzahn	16	Dusco Oljaca
2	Eric Kore	17	
3	Jesse Sanghera	18	
4	Nick Ehl	19	
5	Eaisal Shirwa	20	
6	Parm Dhillon	21	
7	Parker Dodd	22	
8	Travis Williams	23	
9	Matt Raed	24	
10	Kody Milton	25	
11		26	
12		27	
13		28	
14		29	
15		30	

## HIRED EQUIPMENT (Backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL / ACT.

Visitors and workers new to the site must be oriented to hazards and procedures.

## PRINT NAME and COMPANY

## ARRIVED ON SITE

## SIGNATURE

1	Michelle		7	
2	Jessica	Anson		
3	Travis			
4	Bonnie			
5				
6	Aman	Big dig	7	
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## ADDITIONAL INFORMATION/INSTRUCTIONS



DATE July 29/2022 TIME 7:00am  
 LOCATION: West King Ed + Quesset  
 Multisite? ☒ Y ☐ N

SITE SUPERVISOR Jamal Muzah  
 SIGNATURE [Signature]  
 CREW #3

CONDITIONS Temp: 25+ HOT Clear ☐ Overcast ☐ Rain ☐ Snow ☐ Windy ☐

WORK PLAN FOR THE SHIFT: Follow our Heat response plan. Heat breaks, cooling station  
master, liquids

\*Work on MH D3 - install 1350 pipe, Rehab mat, wood channel form. layout  
 Site cleanup

## SAFETY ISSUES

Traffic Plan Discussed: ☒ Y ☐ N Pedestrian Concerns: ☒ Y ☐ N Cyclist Concerns: ☒ Y ☐ N  
 PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear ☒ Y ☐ N  
 Respiratory Hazards, Asbestos, Silica, Other: ☒ Y ☐ N Instructions: Wear N95 mask or respirator when cutting or filing pipe  
Use water hose to suppress

Confined Space Entry ☐ Y ☒ N Confined Space Permit Completed ☐ Y ☒ N  
 Location of entry: \_\_\_\_\_  
 Fall Protection Required ☒ Y ☐ N Instructions: Use lifeline, chains, blocks  
guard rails + bases

First Aid Attendant: \_\_\_\_\_ Level required on site: 1 (2) Name of attendant: Lewis (B. M. M.) on site?  
 Other \_\_\_\_\_

## OVERHEAD HAZARDS

Trolley Lines ☐ Y ☒ N Controls/Instructions/Securing/Limits of Approach? \_\_\_\_\_  
 Electrical ☐ Y ☒ N trees trimmed  
 Street Lighting ☐ Y ☒ N  
 Other \_\_\_\_\_ (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site ☒ Y ☐ N Instructions: Hydrovac utilities  
 Underground Hazards & Controls? (Examples: tidal flows, contaminated soils, utilities, wastewater, etc.)  
300mm water, Entombed down 1, 40mm gas, 150mm water, steeling  
 Soil Conditions? type C  
 Geo Tech Requirement? ☒ Y ☐ N Instructions (Examples: (Examples: set back, instructions on site, etc.) Received updated report July 28  
 Padman / Spotter Required? ☒ Y ☐ N Mechanical Excavating Record to be completed by Nick Ehl  
 Utility Marks identified and clear? ☒ Y ☐ N Match utility plan? ☒ Y ☐ N  
 Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.)  
tight to trench walls with Bulkhead, Air shore, steel pile, steel plates



## CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

## PRINT NAME

1	Joel Molzahn	16	Dusco djaca
2	Eric Kore	17	
3	Wick Ehl	18	
4	Faisal Shirmah	19	
5	Katy Milton	20	
6	Adam McLeod	21	
7		22	
8		23	
9		24	
10		25	
11		26	
12		27	
13		28	
14		29	
15		30	

HIRED EQUIPMENT (Backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL / ACT.  
 Visitors and workers new to the site must be oriented to hazards and procedures.

## PRINT NAME and COMPANY

## ARRIVED ON SITE

## SIGNATURE

1	Michelle	Angan	7	
2	Jessica			
3	Bonnie			
4	Vani			
5				
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13				

## ADDITIONAL INFORMATION/INSTRUCTIONS



DATE Aug 2nd TIME 7:00am SITE SUPERVISOR David Selver  
 LOCATION: Quesset + W King Ed SIGNATURE [Signature]  
 Multisite? Y ☒ N

CONDITIONS Temp: ☒ Clear ☐ Overcast ☐ Rain ☐ Snow ☐ Windy

## WORK PLAN FOR THE SHIFT:

Build M/H D3 cut and form rebar  
Lay pipe  
Follow Heat response plan

## SAFETY ISSUES

Traffic Plan Discussed: ☒ Y ☐ N Pedestrian Concerns: ☐ Y ☒ N Cyclist Concerns: ☐ Y ☒ N  
 PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear ☒ Y ☐ N  
 Respiratory Hazards, Asbestos, Silica, Other: ☐ Y ☒ N Instructions: \_\_\_\_\_

Confined Space Entry ☐ Y ☒ N Confined Space Permit Completed ☐ Y ☒ N  
 Location of entry: \_\_\_\_\_  
 Fall Protection Required ☒ Y ☐ N Instructions: Guard rails + Block

First Aid Attendant: \_\_\_\_\_ Level required on site: ☒ 1 ☐ 2 Name of attendant: \_\_\_\_\_ Certificate on site?  
 Other \_\_\_\_\_

## OVERHEAD HAZARDS

Trolley Lines ☐ Y ☒ N Controls/Instructions/Securing/Limits of Approach? \_\_\_\_\_  
 Electrical ☐ Y ☒ N \_\_\_\_\_  
 Street Lighting ☐ Y ☒ N \_\_\_\_\_  
 Other \_\_\_\_\_ (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site ☒ Y ☐ N Instructions: Refer to one call  
 Underground Hazards & Controls? Under B (Examples: tidal flows, contaminated soils, utilities, wastewater, etc.)  
 Soil Conditions? Typical  
 Geo Tech Requirement? ☒ Y ☐ N Instructions: Refer to geo report  
 Padman / Spotter Required? ☒ Y ☐ N Mechanical Excavating Record to be completed by Refer to MEE  
 Utility Marks identified and clear? ☒ Y ☐ N Match utility plan? ☒ Y ☐ N  
 Shoring Installation Instructions: Steel cut (Examples: shoring to be used, close & tight, installation instructions, etc.)



## CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

## PRINT NAME

1	Joel Molzhen	16
2	David Selva	17
3	Joel Shiroka	18
4	Rodney Milton	19
5	Adam McLeod	20
6	Eric Kopp	21
7	Travis Williams	22
8	Parker Pudd	23
9		24
10		25
11		26
12		27
13		28
14		29
15		30

## HIRED EQUIPMENT (Backhoes, Trucks, etc.) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL / ACT..

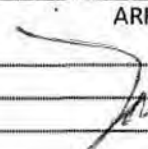
Visitors and workers new to the site must be oriented to hazards and procedures.

## PRINT NAME and COMPANY

## ARRIVED ON SITE

## SIGNATURE

1	Jim Devlin
2	Michelle O
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## ADDITIONAL INFORMATION/INSTRUCTIONS



DATE <u>Aug. 3, 22</u>	TIME <u>7am</u>	SITE SUPERVISOR <u>John Thompson</u>
LOCATION:		SIGNATURE <u>[Signature]</u>
Multisite? Y <input checked="" type="radio"/> N <input type="radio"/>		CREW <u>3</u>

CONDITIONS	Temp: <u>25°C</u>	Clear <input checked="" type="radio"/>	Overcast <input type="radio"/>	Rain <input type="radio"/>	Snow <input type="radio"/>	Windy <input type="radio"/>
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**WORK PLAN FOR THE SHIFT:**

Build on H D-3 + S1

concrete ordered for 3pm Thursday.

[Handwritten notes on right margin]

## SAFETY ISSUES

Traffic Plan Discussed: Y ☒ N ☐ Pedestrian Concerns: Y ☒ N ☐ Cyclist Concerns: Y ☒ N ☐

PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear Y ☒ N ☐

Respiratory Hazards, Asbestos, Silica, Other: Y ☒ N ☐ Instructions: N-95 masks 1- use when mixing cement

Confined Space Entry Y ☒ N ☐ Confined Space Permit Completed Y ☒ N ☐

Location of entry: NA

Fall Protection Required Y ☒ N ☐ Instructions: Guard rails in place surrounding trench

First Aid Attendant: Level required on site: 1 ☒ 2 ☐ Name of attendant: Josh Hough Certificate on site? ☒

Other: \_\_\_\_\_

## OVERHEAD HAZARDS

Trolley Lines Y ☒ N ☐ Controls/Instructions/Securing/Limits of Approach? Trees trimmed

Electrical Y ☒ N ☐

Street Lighting Y ☒ N ☐

Other: \_\_\_\_\_ (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site Y ☒ N ☐ Instructions: C

Underground Hazards & Controls? (Examples: tidal flows, contaminated soils, utilities, wastewater, etc.) 150mm water main, sewer

Soil Conditions? Loose Asphalt 150mm water main Asphalt

Geo Tech Requirement? Y ☒ N ☐ Instructions (Examples: set backs, instructions on site, etc.) Postpone till tomorrow

Padman / Spotter Required? Y ☒ N ☐ Mechanical Excavating Record to be completed by \_\_\_\_\_

Utility Marks identified and clear? Y ☒ N ☐ Match utility plan? Y ☒ N ☐

Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.) Tight to trench walls with back bands where required

Steel poles, soil plates



## CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

## PRINT NAME

1	John Pharis	16
2	Dave Jett	17
3	Joel Mubashy	18
4	Adam McLeod	19
5	Ram Phas	20
6	Travis Williams	21
7	Ked M. Iton	22
8	Paul Reed	23
9	Faisal Shihani	24
10		25
11		26
12		27
13		28
14		29
15		30

HIRED EQUIPMENT (Backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL / ACT..

Visitors and workers new to the site must be oriented to hazards and procedures.

## PRINT NAME and COMPANY

## ARRIVED ON SITE

## SIGNATURE

1			
2			
3			
4	Jim Reelin	Ked	
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12			
13			

## ADDITIONAL INFORMATION/INSTRUCTIONS

MH - 2828C 30 mpa

Rmx VC 35A 5GV 39 mpa



DATE Aug. 4, 22 TIME 7am  
 LOCATION: Quesset & Ukingen  
 Multisite? Y ☒ (N)

SITE SUPERVISOR John Klaminski  
 SIGNATURE [Signature]  
 CREW 3

CONDITIONS Temp: 15°C Clear ☐ **Overcast** ☒ Rain ☐ Snow ☐ Windy ☐

## WORK PLAN FOR THE SHIFT:

Build + pour mlt p-3

## SAFETY ISSUES

Traffic Plan Discussed: ☒ (Y) N Pedestrian Concerns: ☒ (Y) N Cyclist Concerns: ☒ (Y) N  
 PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear ☒ (Y) N  
 Respiratory Hazards, Asbestos, Silica, Other: ☒ (Y) N Instructions: N-95 masks in use when mixing cement & grinding for pipe

Confined Space Entry Y ☒ (N) NA Confined Space Permit Completed Y ☒ (N)  
 Location of entry: \_\_\_\_\_  
 Fall Protection Required Y ☐ N ☒ Instructions: No excavation today. Guard rails surround the trench

First Aid Attendant: \_\_\_\_\_ Level required on site: 1 ☒ (2) Name of attendant: Paul Foepp Certificate on site? ☐

## OVERHEAD HAZARDS

Trolley Lines Y ☒ (N) Controls/Instructions/Securing/Limits of Approach? Trees trimmed.  
 Electrical Y ☒ (N)  
 Street Lighting Y ☒ (N)  
 Other \_\_\_\_\_ (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site Y ☐ N ☒ Instructions: \_\_\_\_\_  
 Underground Hazards & Controls? (Examples: tidal flows, contaminated soils, utilities, wastewater, etc.)  
40 mm pt backfilled, 150 water supported.  
 Soil Conditions? type C  
 Geo Tech Requirement? ☒ (Y) N ☐ Instructions (Examples: set backs, instructions on site, etc.)  
Posters in the foreman's shack  
 Padman / Spotter Required? ☒ (Y) N ☐ Mechanical Excavating Record to be completed by Farrel Shihwa  
 Utility Marks identified and clear? ☒ (Y) N ☐ Match utility plan? ☒ (Y) N  
 Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.)  
Tight to trench walls with butt heads where required.



## CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

## PRINT NAME

1	John Skirvin	16
2	Paul Malachuk	17
3	Katy Miller	18
4	Faith Shuman	19
5	Arden McLeod	20
6	Mat Reest	21
7	David Lockhart	22
8	Zessie Douglas	23
9		24
10		25
11		26
12		27
13		28
14		29
15		30

## HIRED EQUIPMENT (Backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL / ACT.

Visitors and workers new to the site must be oriented to hazards and procedures.

## PRINT NAME and COMPANY

## ARRIVED ON SITE

## SIGNATURE

1	Melinda Okels	Arden
2		
3	Jim Ruck	KDICK
4		
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2


## ADDITIONAL INFORMATION/INSTRUCTIONS



DATE Aug 8, 22 TIME 1pm  
LOCATION: Casual & Wharfed  
Multisite? Y ☒ N

SITE SUPERVISOR John Florini  
SIGNATURE John Florini  
CREW 3

CONDITIONS Temp: 30°C ☒ Clear ☐ Overcast ☐ Rain ☐ Snowy ☐ Windy

## WORK PLAN FOR THE SHIFT:

Build D-3 for second pour  
Place 8x16 plates in row to cover VAC tracks  
Connect str tran lookouts to D-3

## SAFETY ISSUES

Traffic Plan Discussed: ☒ Y ☐ N Pedestrian Concerns: ☒ Y ☐ N Cyclist Concerns: ☒ Y ☐ N  
PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear ☒ Y ☐ N  
Respiratory Hazards, Asbestos, Silica, Other: ☒ Y ☐ N Instructions: N-95 mask in use when grinding for prep.

Confined Space Entry ☒ Y ☐ N Confined Space Permit Completed ☒ Y ☐ N  
Location of entry: \_\_\_\_\_  
Fall Protection Required ☒ Y ☐ N Instructions: Guard rails are in place surrounding the excavation

First Aid Attendant: \_\_\_\_\_ Level required on site: 1 ☒ 2 Name of attendant: Chris Lewis Certificate on site? ☐ Y ☒ N  
Other \_\_\_\_\_

## OVERHEAD HAZARDS

Trolley Lines ☒ Y ☐ N Controls/Instructions/Securing/Limits of Approach? Trees trimmed.  
Electrical ☒ Y ☐ N  
Street Lighting ☒ Y ☐ N  
Other \_\_\_\_\_ (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site ☒ Y ☐ N Instructions: \_\_\_\_\_  
Underground Hazards & Controls? (Examples: tidal flows, contaminated soils, utilities, wastewater, etc.)  
All utilities are hydro excavated  
Soil Conditions? type C  
Geo Tech Requirement? ☒ Y ☐ N Instructions (Examples: set backs, instructions on site, etc.)  
Post up in the trench & back  
Padman / Spotter Required? ☒ Y ☐ N Mechanical Excavating Record to be completed by Chris Lewis  
Utility Marks identified and clear? ☒ Y ☐ N Match utility plan? ☒ Y ☐ N  
Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.)  
Right to back with back load when required



## CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

## PRINT NAME

1	John Floristic	16
2	Param Plaka	17
3	One Jettie	18
4	Strom Richard	19
5	Jessie Sirgerla	20
6	Not Keep	21
7		22
8		23
9		24
10		25
11		26
12		27
13		28
14		29
15		30

## HIRED EQUIPMENT (Backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL / ACT.

Visitors and workers new to the site must be oriented to hazards and procedures.

## PRINT NAME and COMPANY

## ARRIVED ON SITE

## SIGNATURE

1	James Park	Medisk	7	
2				
3	Mr. All O'Hara	Arm	7	
4				
5				
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8				
9				
10				
11				
12				
13				

## ADDITIONAL INFORMATION/INSTRUCTIONS



DATE Aug 10, 22 TIME 7am  
 LOCATION: Quesnel + W King CO  
 Multisite? Y ☒ N

SITE SUPERVISOR John Hanis  
 SIGNATURE [Signature]  
 CREW 3

CONDITIONS Temp: Clear ☒ Overcast ☐ Rain ☐ Snow ☐ Windy ☐

## WORK PLAN FOR THE SHIFT:

Build P-3

Build 1st step @ Bluewin

## SAFETY ISSUES

Traffic Plan Discussed: ☒ Y ☐ N Pedestrian Concerns: ☒ Y ☐ N Cyclist Concerns: ☒ Y ☐ N  
 PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear ☒ Y ☐ N  
 Respiratory Hazards, Asbestos, Silica, Other: ☒ Y ☐ N Instructions: No 95 mask in use when cutting / bling PR pipe + mixing cement.

Confined Space Entry ☒ Y ☐ N Confined Space Permit Completed ☒ Y ☐ N  
 Location of entry: \_\_\_\_\_  
 Fall Protection Required ☒ Y ☐ N Instructions: Guard rails in place around trench.

First Aid Attendant: Level required on site: 1 ☒ 2 Name of attendant: Chris Lewis Certificate on site? ☒ Y ☐ N  
 Other \_\_\_\_\_

## OVERHEAD HAZARDS

Trolley Lines ☒ Y ☐ N Controls/Instructions/Securing/Limits of Approach? \_\_\_\_\_  
 Electrical ☒ Y ☐ N \_\_\_\_\_  
 Street Lighting ☒ Y ☐ N \_\_\_\_\_  
 Other \_\_\_\_\_ (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site ☒ Y ☐ N Instructions: \_\_\_\_\_  
 Underground Hazards & Controls? (Examples: tidal flows, contaminated soils, utilities, wastewater, etc.)  
150 water main is supported. no excavation. today.  
 Soil Conditions? typical  
 Geo Tech Requirement? ☒ Y ☐ N Instructions (Examples: set backs, instructions on site, etc.)  
Posterior to concrete work  
 Padman / Spotter Required? ☒ Y ☐ N Mechanical Excavating Record to be completed by Forest Harris  
 Utility Marks identified and clear? ☒ Y ☐ N Match utility plan? ☒ Y ☐ N  
 Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.)  
Tight to trench walls with bulkheads where required.



## CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

## PRINT NAME

1	John Horvath	16
2	Carol Thomas	17
3	Carol Miller	18
4	Kathy Miller	19
5	John Miller	20
6	Adam M.	21
7	Jeffrey Miller	22
8	Cliff Lewis	23
9	Bradley Jones	24
10		25
11		26
12		27
13		28
14		29
15		30

## HIRED EQUIPMENT (backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL / ACT.

Visitors and workers new to the site must be oriented to hazards and procedures.

## PRINT NAME and COMPANY

## ARRIVED ON SITE

## SIGNATURE

1	Michelle Okonko	AS	7	
2	TCP	AS	7	
3				
4	Jim Reuter	Kodak	7	
5				
6	Phoebe	CS.	7	
7				
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## ADDITIONAL INFORMATION/INSTRUCTIONS



DATE Aug 14/22 TIME 2pm  
LOCATION: Central & W. 4th  
Multisite? Y N

SITE SUPERVISOR John Flanagan  
SIGNATURE [Signature]  
CREW 3

CONDITIONS Temp: Clear Overcast Rain Light Snow Windy

## WORK PLAN FOR THE SHIFT:

BACKLOG 150 water main  
complete P-3 MH build.

## SAFETY ISSUES

Traffic Plan Discussed: (Y) N Pedestrian Concerns: (Y) N Cyclist Concerns: (Y) N  
PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear (Y) N  
Respiratory Hazards, Asbestos, Silica, Other: (Y) N Instructions: N-95 mask for mowing cement + grinding for pipe.

Confined Space Entry Y (N) Confined Space Permit Completed Y (N)  
Location of entry: [Blank]  
Fall Protection Required (Y) N Instructions: Guard rails are in place around excavation

First Aid Attendant: Level required on site: 1 (2) Name of attendant: Chris Cox Certificate on site?  
Other [Blank]

## OVERHEAD HAZARDS

Trolley Lines Y (N) Controls/Instructions/Securing/Limits of Approach? Tree trimmed.  
Electrical Y (N)  
Street Lighting Y (N)  
Other (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site (Y) N Instructions: Hydro before dig  
Underground Hazards & Controls? (Examples: tidal flows, contaminated soils, utilities, wastewater, etc.)

Soil Conditions?  
Geo Tech Requirement? (Y) N Instructions (Examples: set backs, instructions on site, etc.) Postup in the foreman's slot.

Padman / Spotter Required? (Y) N Mechanical Excavating Record to be completed by Forest Thomas  
Utility Marks identified and clear? (Y) N Match utility plan? (Y) N  
Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.) Tap to track walls with bulk loads.



IN ATTENDANCE

PRINT NAME

1	John Parisi	16
2	Saul Moberg	17
3	Brk Kane	18
4	Sean McLeod	19
5	Rachel Shivers	20
6	Kathy Milton	21
7	Jessie Douglas	22
8	Norm Phillips	23
9	Parker Ross	24
10	Cliff Lewis	25
11		26
12		27
13		28
14		29
15		30

HIRED EQUIPMENT (Backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL / ACT.

Visitors and workers new to the site must be oriented to hazards and procedures.

PRINT NAME and COMPANY

ARRIVED ON SITE

SIGNATURE

1	Michelle Clarke	Arise
2		
3	Yanni	Alsa
4		
5		
6	Jim Ruelis	Kedate
7		
8	Deane Poirer	Hurst
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ADDITIONAL INFORMATION/INSTRUCTIONS



DATE Aug 15, 22 TIME 2pm  
 LOCATION: Seawall @ W. King St  
 Multisite? Y ☒ N

SITE SUPERVISOR John Thompson  
 SIGNATURE [Signature]  
 CREW 3

CONDITIONS Temp: 29°C ☒ Clear ☐ Overcast ☐ Rain ☐ Snow ☐ Windy

## WORK PLAN FOR THE SHIFT:

Strip p-3 mat  
connect + punch hole 375 knockout  
- cut down for pouring concrete N/W King St

## SAFETY ISSUES

Traffic Plan Discussed: ☒ Y ☐ N Pedestrian Concerns: ☒ Y ☐ N Cyclist Concerns: ☒ Y ☐ N  
 PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear ☒ Y ☐ N  
 Respiratory Hazards, Asbestos, Silica, Other: ☒ Y ☐ N Instructions: N-75 when mixing concrete + when grinding Re pipe

Confined Space Entry ☒ Y ☐ N Confined Space Permit Completed ☒ Y ☐ N  
 Location of entry: Existing 700 mm  
 Fall Protection Required ☒ Y ☐ N Instructions: Guard rail around the trench

First Aid Attendant: Level required on site: 1 ☒ 2 Name of attendant: Cliff Lewis Certificate on site?  
 Other

## OVERHEAD HAZARDS

Trolley Lines ☒ Y ☐ N Controls/Instructions/Securing/Limits of Approach? Trees are trimmed  
 Electrical ☒ Y ☐ N  
 Street Lighting ☒ Y ☐ N  
 Other (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site ☒ Y ☐ N Instructions:  
 Underground Hazards & Controls? (Examples: tidal flows, contaminated soils, utilities, wastewater, etc.)  
All utilities have been hydro excavated  
 Soil Conditions? typical  
 Geo Tech Requirement? ☒ Y ☐ N Instructions (Examples: set backs, instructions on site, etc.)  
Post tension the basement slabs  
 Padman / Spotter Required? ☒ Y ☐ N Mechanical Excavating Record to be completed by Frank Thomas  
 Utility Marks identified and clear? ☒ Y ☐ N Match utility plan? ☒ Y ☐ N  
 Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.)  
Tight to trench walls with bulk heads where required



## CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

## PRINT NAME

1	D. P. Smith	16
2	D. Smith	17
3	J. McHugh	18
4	K. McHugh	19
5	F. Jones	20
6	C. Lewis	21
7	E. Kott	22
8	P. McHugh	23
9	B. Church	24
10	B. Jones	25
11		26
12		27
13		28
14		29
15		30

HIRED EQUIPMENT (Backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL/ ACT..

Visitors and workers new to the site must be oriented to hazards and procedures.

## PRINT NAME and COMPANY

## ARRIVED ON SITE

## SIGNATURE

1	Andie Gorkov	Kadok	?	
2				
3	Michelle Hendon	Star	?	
4				
5	Yvonne	Star		
6			?	
7				
8	Diane Driver	Star	?	
9				
10				
11				
12				
13				

## ADDITIONAL INFORMATION/INSTRUCTIONS



DATE Aug 17, 22 TIME 7am SITE SUPERVISOR John Pharis  
 LOCATION: Quenel + Wierged SIGNATURE [Signature]  
 Multisite? Y (N) CREW 3

CONDITIONS Temp: 38°C Clear Overcast Rain Snow Windy

WORK PLAN FOR THE SHIFT: Cons talk completed for the month

46°C in the set  
many breaks for heat stress.  
Concrete per 3m³ for boxes 375 lock at.  
out down for shellin P.P.  
strip sheets & plywood from P-3 row

## SAFETY ISSUES

Traffic Plan Discussed: Y N Pedestrian Concerns: Y N Cyclist Concerns: Y N  
 PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear Y N  
 Respiratory Hazards, Asbestos, Silica, Other: Y N Instructions: N-95 masks in use when cutting + grinding PL pipe + when mixing cement.

Confined Space Entry Y (N) Confined Space Permit Completed Y (N)  
 Location of entry: \_\_\_\_\_  
 Fall Protection Required Y N Instructions: Guard rails in place in excavation

First Aid Attendant: Level required on site: 1 (2) Name of attendant: She mat K... on site?  
 Other \_\_\_\_\_

## OVERHEAD HAZARDS

Trolley Lines Y (N) Controls/Instructions/Securing/Limits of Approach? Trees trimmed  
 Electrical Y (N)  
 Street Lighting Y (N)  
 Other \_\_\_\_\_ (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site Y (N) Instructions: All utilities Hydro Vac  
 Underground Hazards & Controls? (Examples: tidal flows, contaminated soils, utilities, wastewater, etc.)  
150 mm stamped

Soil Conditions? Type 2  
 Geo Tech Requirement? Y N Instructions (Examples: set backs, instructions on site, etc.)  
Posters in the foreman shack

Padman / Spotter Required? Y (N) Mechanical Excavating Record to be completed by Expert Shivers  
 Utility Marks identified and clear? Y N Match utility plan? Y N  
 Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.)

tight to trench walls with bulk heads



# CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

### PRINT NAME

1	- John Florio	16
2	- Dave Jeller	17
3	- Darn Miller	18
4	- Adam McLeod	19
5	- Koby Miller	20
6	- Ferrel Jirous	21
7	- Erik Fore	22
8	- Bryce Spe	23
9	- Buck Rangel	24
10		25
11		26
12		27
13		28
14		29
15		30

## HIRED EQUIPMENT (Backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL/ ACT..

Visitors and workers new to the site must be oriented to hazards and procedures.

### PRINT NAME and COMPANY

### ARRIVED ON SITE

### SIGNATURE

1	Austin Conboy	Kodiak
2		
3	Melville Okavics	Arx
4		
5	Anga	Arx
6		
7	Phoebe River	West
8		
9		
10		
11		
12		
13		

## ADDITIONAL INFORMATION/INSTRUCTIONS



DATE <u>Aug 18, 22</u> TIME <u>7am</u>		SITE SUPERVISOR <u>John Floride</u>	
LOCATION: <u>Ormeau &amp; W. Kings Rd</u>		SIGNATURE <u>[Signature]</u>	
Multisite? <u>Y (N)</u>		CREW <u>3</u>	
CONDITIONS	Temp: <u>44°C</u>	<input checked="" type="radio"/> Clear	<input type="radio"/> Overcast <input type="radio"/> Rain <input type="radio"/> Snow <input type="radio"/> Windy
WORK PLAN FOR THE SHIFT: <u>Extreme heat</u>			
<ul style="list-style-type: none"> <li>- Barrel up 2400 atm m.H.</li> <li>- Barrel up 1050 dia 32 GA m.H.</li> <li>- 1.5A 20' cage</li> <li>- backfill 20' cage</li> <li>- Dig out budge at Collingwood</li> </ul>			
<b>SAFETY ISSUES</b>			
Traffic Plan Discussed: <input checked="" type="radio"/> Y <input type="radio"/> N		Pedestrian Concerns: <input checked="" type="radio"/> Y <input type="radio"/> N	
PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear <input checked="" type="radio"/> Y <input type="radio"/> N		Cyclist Concerns: <input checked="" type="radio"/> Y <input type="radio"/> N	
Respiratory Hazards, Asbestos, Silica, Other: <input checked="" type="radio"/> Y <input type="radio"/> N		Instructions: <u>N-95 mask in use when cutting or grinding for pipe. When mixing cement.</u>	
Confined Space Entry <input type="radio"/> Y <input checked="" type="radio"/> N		Confined Space Permit Completed <input type="radio"/> Y <input checked="" type="radio"/> N	
Location of entry: _____			
Fall Protection Required <input checked="" type="radio"/> Y <input type="radio"/> N		Instructions: <u>Guard rail surround the trench</u>	
First Aid Attendant: _____ Level required on site: <u>1</u> <input checked="" type="radio"/> (2) Name of attendant: <u>Mark Reed</u> <input checked="" type="radio"/> (RTB) Certified on site? <input checked="" type="radio"/> Y <input type="radio"/> N			
Other _____			
<b>OVERHEAD HAZARDS</b>			
Trolley Lines	<input type="radio"/> Y <input checked="" type="radio"/> N	Controls/Instructions/Securing/Limits of Approach? <u>Trees trimmed</u>	
Electrical	<input type="radio"/> Y <input checked="" type="radio"/> N	_____	
Street Lighting	<input type="radio"/> Y <input checked="" type="radio"/> N	_____	
Other _____ (Examples: trees, cranes, etc.)			
<b>EXCAVATION</b>			
BC 1 Call & Utility Information on Site <input checked="" type="radio"/> Y <input type="radio"/> N		Instructions: <u>All utilities have been located</u>	
Underground Hazards & Controls? (Examples: tidal flows, contaminated soil, oil, gas, wastewater, etc.) <u>Trench &amp; communication conduit has been cut out &amp; boded.</u>			
Soil Conditions? <u>type C</u>			
Geo Tech Requirement? <input checked="" type="radio"/> Y <input type="radio"/> N		Instructions (Examples: set backs, instructions on site, etc.) <u>Follow in the foreman's truck</u>	
Padman / Spotter Required? <input checked="" type="radio"/> Y <input type="radio"/> N		Mechanical Excavating Record to be completed by <u>Ferret Shiran</u>	
Utility Marks identified and clear? <input checked="" type="radio"/> Y <input type="radio"/> N		Match utility plan? <input type="radio"/> Y <input checked="" type="radio"/> N	
Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.) <u>Tight to trench walls with bank heads.</u>			



## CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

## PRINT NAME

1	D. Floridi	16	Agar Horras
2	D. Jellie	17	
3	Z. Makidm	18	
4	E. Sharma	19	
5	P. D. Hwa	20	
6	A. McLoes	21	
7	E. Kore	22	
8	B. Church	23	
9	B. Jones	24	
10		25	
11		26	
12		27	
13		28	
14		29	
15		30	

HIRED EQUIPMENT (Backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL / ACT.

Visitors and workers new to the site must be oriented to hazards and procedures.

## PRINT NAME and COMPANY

## ARRIVED ON SITE

## SIGNATURE

1	Diane Prier	Hurst.	7	
2				
3	Michelle Okanes	Agar	7	
4				
5	Yanni	Agar	7	
6				
7				
8				
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10				
11				
12				
13				

## ADDITIONAL INFORMATION/INSTRUCTIONS



DATE Aug 19, 22 TIME 1pm  
LOCATION: Green & Welling CP  
Multisite? Y ☒ N

SITE SUPERVISOR John Alexander  
SIGNATURE JA  
CREW 3

CONDITIONS Temp: 36°C ☒ Clear ☐ Overcast ☐ Rain ☐ Snow ☐ Windy

WORK PLAN FOR THE SHIFT: Extreme heat warning  
- Excavate Colby Wood bridge  
- Black top bridge  
- Pull 30' man jet  
- castings for D-3, 51-52  
- Excavate top layer for Burr casting  
- send to bog

## SAFETY ISSUES

Traffic Plan Discussed: ☒ Y ☐ N Pedestrian Concerns: ☒ Y ☐ N Cyclist Concerns: ☒ Y ☐ N  
PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear ☒ Y ☐ N  
Respiratory Hazards, Asbestos, Silica, Other: ☒ Y ☐ N Instructions: N-95 mask in use when cutting, grinding the pipe

Confined Space Entry ☒ Y ☐ N Confined Space Permit Completed ☐ Y ☒ N  
Location of entry:  
Fall Protection Required ☒ Y ☐ N Instructions: Block + harness use when work is completed on the open trench side of the guard rail control zone

First Aid Attendant: Level required on site: 1 ☒ 2 Name of attendant: not kept Certificate on site?  
Other

## OVERHEAD HAZARDS

Trolley Lines ☐ Y ☒ N Controls/Instructions/Securing/Limits of Approach? Trees trimmers  
Electrical ☐ Y ☒ N  
Street Lighting ☐ Y ☒ N  
Other (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site ☒ Y ☐ N Instructions:  
Underground Hazards & Controls? (Examples: tidal flows, contaminated soils, utilities, wastewater, etc.)  
Utilities have been Hydro excavated, install & communicate  
conducts have been located  
Soil Conditions? typical  
Geo Tech Requirement? ☒ Y ☐ N Instructions (Examples: set backs, instructions on site, etc.)  
Refer to the Foreman's Mark  
Padman / Spotter Required? ☒ Y ☐ N Mechanical Excavating Record to be completed by Forest Sharma  
Utility Marks identified and clear? ☒ Y ☐ N Match utility plan? ☒ Y ☐ N  
Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.)  
Tied to rock wall with bolt heads



## CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

## PRINT NAME

1	J. Flaminio	16	Ryan Williams
2	J. Mohr	17	
3	P. Phillips	18	
4	F. Sturges	19	
5	A. McCloud	20	
6	E. Kue	21	
7	B. Church	22	
8	B. Jones	23	
9		24	
10		25	
11		26	
12		27	
13		28	
14		29	
15		30	

## HIRED EQUIPMENT (Backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL / ACT.

Visitors and workers new to the site must be oriented to hazards and procedures.

## PRINT NAME and COMPANY

## ARRIVED ON SITE

## SIGNATURE

1	Rose Drive	Hurst	7	
2				
3	Michael Chalk	Asa	7	
4				
5	Yanni	Asa	7	
6				
7				
8				
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10				
11				
12				
13				

## ADDITIONAL INFORMATION/INSTRUCTIONS



DATE Aug 23, 22 TIME 1am

LOCATION: Chenille Widener

Multisite? Y (N)

SITE SUPERVISOR John Flaminio

SIGNATURE John

CREW 3

CONDITIONS Temp: 33°C (Clear) Overcast Rain Snow Windy

WORK PLAN FOR THE SHIFT: Extreme heat warning  
Excavate towards Blue.  
Shed with 20'x20' high arch roofing  
Remove 20x20 high arch roof  
by 1370 + 375 pipe.

## SAFETY ISSUES

Traffic Plan Discussed: (Y) N Pedestrian Concerns: (Y) N Cyclist Concerns: (Y) N

PPE: High Vis (vest), Safety Shoes, Hard Hat, Protective Eye Wear (Y) N

Respiratory Hazards, Asbestos, Silica, Other: (Y) N Instructions: NH mask in case clear during concrete grinding RC pipe.

Confined Space Entry Y (N)

Confined Space Permit Completed Y (N)

Location of entry:

Fall Protection Required (Y) N Instructions:

Guard rails in place around the track. Block & braced in up  
clear works completed on the open trench side of the guard rail  
control zone.

First Aid Attendant: Level required on site: 1 (2) Name of attendant: max hew Certificate on site?

Other

## OVERHEAD HAZARDS

Trolley Lines Y (N) Controls/Instructions/Securing/Limits of Approach?

Electrical Y (N)

Street Lighting Y (N)

Other (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site (Y) N Instructions: All utilities have been located.

Underground Hazards & Controls? (Examples: tidal flows, contaminated soils, utilities, etc.)

gas + water has been backfilled. Trench + communication  
cables have been removed.

Soil Conditions? -type C

Geo Tech Requirement? (Y) N Instructions (Examples: set backs, instructions on site, etc.)

Porter in the Foreman's Shack

Padman / Spotter Required? (Y) N Mechanical Excavating Record to be completed by John Flaminio

Utility Marks identified and clear? (Y) N Match utility plan? (Y) N

Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.)

Tight to track walls with bulk head



## CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

## PRINT NAME

1	John Robinson	16
2	Paul Mahesh	17
3	Dave J. L.	18
4	Thomas (H. Hays)	19
5	Adam McLeod	20
6	Brayden Lee	21
7		22
8		23
9		24
10		25
11		26
12		27
13		28
14		29
15		30

Lynne Wornan.

## HIRED EQUIPMENT (Backhoes, Trucks, etc.) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL / ACT..

Visitors and workers new to the site must be oriented to hazards and procedures.

## PRINT NAME and COMPANY

## ARRIVED ON SITE

## SIGNATURE

1	Mobile Shakes	Low
2		
3	Yarni	Low
4		A
5		
6		
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13		

7

7

## ADDITIONAL INFORMATION/INSTRUCTIONS



DATE Aug 24, 22 TIME 7am SITE SUPERVISOR John Plamondon  
 LOCATION: Quebec + Oakridge BD SIGNATURE [Signature]  
 Multisite? Y (N) CREW 3

CONDITIONS Temp: 30°C + (Clear) Overcast Rain Snow Windy

WORK PLAN FOR THE SHIFT: Extreme heat warning  
- Community Center crew talk  
- lay 375' x 1350' pipe  
- Backfill + compaction test

## SAFETY ISSUES

Traffic Plan Discussed: (Y) (N) Pedestrian Concerns: (Y) (N) Cyclist Concerns: (Y) (N)  
 PPE: High Vis (vest), Safety Shoes, Hard Hat, Protective Eye Wear (Y) (N)  
 Respiratory Hazards, Asbestos, Silica, Other: (Y) (N) Instructions: N-95 mask in use when cutting/grinding pipe, also  
using cement.

Confined Space Entry Y (N) Confined Space Permit Completed Y (N)  
 Location of entry:

Fall Protection Required (Y) (N) Instructions: Block and barricade work area. Work is completed on the gas  
trench side of the guard rail control zone.

First Aid Attendant: Level required on site: 1 (2) Name of attendant: Cliff Lewis Certificate on site?  
 Other:

## OVERHEAD HAZARDS

Trolley Lines Y (N) Controls/Instructions/Securing/Limits of Approach? Trees trimmed  
 Electrical Y (N)  
 Street Lighting Y (N)  
 Other (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site (Y) (N) Instructions: all utilities have been exposed  
 Underground Hazards & Controls? (Examples: tidal flows, contaminated soils, utilities, wastewater, etc.)  
Hydro Gas exposed Traffic / communication conduits and  
low voltage cables  
 Soil Conditions? fine  
 Geo Tech Requirement? (Y) (N) Instructions (Examples: set backs, instructions on site, etc.)  
Return the foreman's stick.  
 Padman / Spotter Required? (Y) (N) Mechanical Excavating Record to be completed by Forest Lewis  
 Utility Marks identified and clear? (Y) (N) Match utility plan? (Y) (N)  
 Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.)  
Tight to trench walls until back heads.



## CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

## PRINT NAME

1	John Plavich	16
2	Dave Sully	17
3	Paul McLaughlin	18
4	Adam McLeod	19
5	Faisal Shams	20
6	David Williams	21
7	Brayden Jones	22
8	Tom Philp	23
9	Mike Koe	24
10	Kody Hamilton	25
11		26
12		27
13		28
14		29
15		30

Corey McCutcheon

## HIRED EQUIPMENT (Backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL / ACT..

Visitors and workers new to the site must be oriented to hazards and procedures.

## PRINT NAME and COMPANY

## ARRIVED ON SITE

## SIGNATURE

1	Mitch Okonko	Asa
2	Manni Asbrill	Asa
3	Taky	Asa
4		
5	Dave Bruce	
6		
7		
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7

## ADDITIONAL INFORMATION/INSTRUCTIONS



DATE <u>Aug 25 / 2022</u> TIME <u>7:00</u> LOCATION: <u>Queensway / Kingsway</u> Multisite? <u>Y</u> <u>N</u>	SITE SUPERVISOR <u>Jack Nelson / Jan Plinning</u> SIGNATURE <u>[Signature]</u> CREW <u>2</u>
---	--

CONDITIONS Temp: HOT 28° Clear Overcast Rain Snow Windy

WORK PLAN FOR THE SHIFT: Extreme heat warning  
crew talk  
 • lay 1550 Asbestos pipe  
 • Fastpatch 375 pipe lookout + inside MH  
 • Backfill  
 • Asphalt parking at Collingwood

## SAFETY ISSUES

Traffic Plan Discussed: Y N Pedestrian Concerns: Y N Cyclist Concerns: Y N  
 PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear Y N  
 Respiratory Hazards, Asbestos, Silica, Other: Y N Instructions: N 95 mask in use when cutting grinding pre pipe  
Heat breaks water cooling station  
 Confined Space Entry Y N Confined Space Permit Completed Y N

Location of entry: \_\_\_\_\_  
 Fall Protection Required Y N Instructions: Block harness in use when work is completed on the open trench side of the guard rail/control zone

First Aid Attendant: Level required on site: 1 2 Name of attendant: Cliff Lewis Certificate on site? \_\_\_\_\_  
 Other \_\_\_\_\_

## OVERHEAD HAZARDS

Trolley Lines Y N Controls/Instructions/Securing/Limits of Approach? Trees trimmed  
 Electrical Y N  
 Street Lighting Y N  
 Other \_\_\_\_\_ (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site Y N Instructions: All utilities have been exposed  
 Underground Hazards & Controls? (Examples: tidal flows, contaminated soils, utilities, wastewater, etc.)  
Hydrovac exposures traffic/communication conduit and lapped cable  
 Soil Conditions? \_\_\_\_\_  
 Geo Tech Requirement? Y N Instructions: (Examples: set backs, instructions on site, etc.)  
 Padman / Spotter Required? Y N Mechanical Excavating Record to be completed by Ensol Sharma  
 Utility Marks identified and clear? Y N Match utility plan? Y N  
 Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.)  
tight to trench wall with bulk heads



## CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

## PRINT NAME

1	Joel Mulzahn	16	Ryan Wenzel
2	Adam McLeod	17	
3	Faisal Shireen	18	
4	Tavis Williams	19	
5	Graydon Jones	20	
6	Paul Dillon	21	
7	Eric Korb	22	
8	Kate Miller	23	
9	Cliff Lewis	24	
10		25	
11		26	
12	John Plani-Sie	27	
13	Dave Selter	28	
14		29	
15		30	

## HIRED EQUIPMENT (Backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL / ACT.

Visitors and workers new to the site must be oriented to hazards and procedures.

## PRINT NAME and COMPANY

## ARRIVED ON SITE

## SIGNATURE

1	Michelle		
2	Yanni	Arrived	
3	Chris		
4			
5	Dwayne Brewer		
6			
7			
8			
9			
10			
11			
12			
13			

## ADDITIONAL INFORMATION/INSTRUCTIONS



DATE Aug 29/22 TIME 7:00am SITE SUPERVISOR David Sen  
 LOCATION: 7am SIGNATURE: [Signature]  
 Multisite? Y ☒ N CREW #15

CONDITIONS Temp: 29° ☒ Clear ☐ Overcast ☐ Rain ☐ Snow ☐ Windy

## WORK PLAN FOR THE SHIFT:

Compaction test all. Backfill upto timber  
Set. Sea to Sky to pick up and deliver  
to Manitoba yard

## SAFETY ISSUES

Traffic Plan Discussed: Y ☒ N Pedestrian Concerns: Y ☒ Cyclist Concerns: Y ☒  
 PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear Y ☒ N  
 Respiratory Hazards, Asbestos, Silica, Other: Y ☒ Instructions:

Confined Space Entry Y ☒ N Confined Space Permit Completed Y ☒ N  
 Location of entry:  
 Fall Protection Required Y ☒ N Instructions: Guard rails

First Aid Attendant: Level required on site: 1 ☒ 2 Name of attendant: Waiting for Level 1 replacement  
 Other:

## OVERHEAD HAZARDS

Trolley Lines Y ☒ N Controls/Instructions/Securing/Limits of Approach?  
 Electrical Y ☒ N Always spotting  
 Street Lighting Y ☒ N  
 Other (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site Y ☒ N Instructions: Refer to one call  
 Underground Hazards & Controls? (Examples: tidal flows, contaminated soils, utilities, wastewater, etc.)

Soil Conditions?  
 Geo Tech Requirement? Y ☒ N Instructions: Refer to geo report

Padman / Spotter Required? Y ☒ N Mechanical Excavating Record to be completed by Refer to MER  
 Utility Marks Identified and clear? Y ☒ N Match utility plan? Y ☒ N  
 Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.)

Timber



# CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

### PRINT NAME

1	D Sella	16
2	J Malzhan	17
3	F Shicwa	18
4	E Kara	19
5	T Williams	20
6	A McLeod	21
7	P Oballion	22
8	K Milton	23
9	J Braden	24
10		25
11		26
12		27
13		28
14		29
15		30

## HIRED EQUIPMENT (Backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL / ACT.,

Visitors and workers new to the site must be oriented to hazards and procedures.

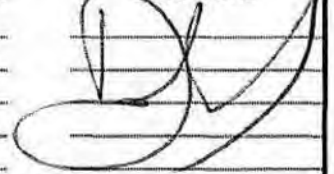
### PRINT NAME and COMPANY

### ARRIVED ON SITE

### SIGNATURE

1	Michelle (TCP)
2	Jenni
3	
4	Randy (Backhoe)
5	
6	
7	
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13	

Jam



## ADDITIONAL INFORMATION/INSTRUCTIONS



DATE Aug 30/22 TIME 7am  
 LOCATION: Quensel DA W King Ed  
 Multisite? Y ☒ N

SITE SUPERVISOR David Seller  
 SIGNATURE [Signature]  
 CREW #3

CONDITIONS Temp: 21° - 31° ☒ Clear ☐ Overcast ☐ Rain ☐ Snow ☐ Windy

## WORK PLAN FOR THE SHIFT:

McRae's on site to camera STM M/H

## SAFETY ISSUES

Traffic Plan Discussed: ☒ Y ☐ N Pedestrian Concerns: Y ☒ N Cyclist Concerns: Y ☒ N  
 PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear ☒ Y ☐ N  
 Respiratory Hazards, Asbestos, Silica Other: ☒ Y ☐ N Instructions: \_\_\_\_\_

Confined Space Entry Y ☒ N Confined Space Permit Completed Y ☐ N  
 Location of entry: \_\_\_\_\_  
 Fall Protection Required ☒ Y ☐ N Instructions: Guard rails

First Aid Attendant: \_\_\_\_\_ Level required on site: ☒ 1 ☐ 2 Name of attendant: Waiting for Level II  
 Other: \_\_\_\_\_

## OVERHEAD HAZARDS

Trolley Lines ☒ Y ☒ N Controls/Instructions/Securing/Limits of Approach? \_\_\_\_\_  
 Electrical ☒ Y ☒ N Always Spotting  
 Street Lighting ☒ Y ☐ N  
 Other \_\_\_\_\_ (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site ☒ Y ☐ N Instructions: Refer to one call  
 Underground Hazards & Controls? (Examples: tidal flows, contaminated soils, utilities, wastewater, etc.)

Soil Conditions? Type B  
 Geo Tech Requirements ☒ Y ☐ N Instructions: Refer to geo report

Padman / Spotter Required? ☒ Y ☐ N Mechanical Excavating Record to be completed by Refer to MER  
 Utility Marks identified and clear? ☒ Y ☐ N Match utility plan? ☒ Y ☐ N  
 Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.)  
Shield & Timber set / Sheet piles



## CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

PRINT NAME

1	<del>D</del> Sellar	16
2	<del>P</del> Malzhan	17
3	<del>W</del> Wontod	18
4	<del>H</del> Shirwa	19
5	<del>K</del> Kari	20
6	<del>W</del> Williams	21
7	<del>M</del> Milton	22
8	<del>D</del> Dhillon	23
9	<del>S</del> Jones	24
10	<del>M</del> McLeod	25
11		26
12		27
13		28
14		29
15		30

## HIRED EQUIPMENT (Backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL / ACT..

Visitors and workers new to the site must be oriented to hazards and procedures.

PRINT NAME and COMPANY

ARRIVED ON SITE

SIGNATURE

1	Michelle
2	Janis
3	
4	Dwayne
5	
6	
7	
8	
9	
10	
11	
12	
13	

Zam

## ADDITIONAL INFORMATION/INSTRUCTIONS



DATE 08/31/22 TIME 7 am  
 LOCATION: Quensel & W King Ed  
 Multisite? Y N

SITE SUPERVISOR David Jeller  
 SIGNATURE [Signature]  
 CREW #2

CONDITIONS Temp: 33° (Clear) Overcast Rain Snow Windy

## WORK PLAN FOR THE SHIFT:

Clean up and prep for South side  
flip. Streets on site for blacktop  
at intersection. Prep for water tarp  
on south side. Sea to Sky coming  
for set pick up.

## SAFETY ISSUES

Traffic Plan Discussed: Y N Pedestrian Concerns: Y N Cyclist Concerns: Y N  
 PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear Y N  
 Respiratory Hazards, Asbestos, Silica, Other: Y N Instructions: \_\_\_\_\_

Confined Space Entry Y N Confined Space Permit Completed Y N  
 Location of entry: \_\_\_\_\_  
 Fall Protection Required Y N Instructions: Guard rails

First Aid Attendant: \_\_\_\_\_ Level required on site: 1 2 Name of attendant: \_\_\_\_\_ Certificate on site? \_\_\_\_\_  
 Other: \_\_\_\_\_

## OVERHEAD HAZARDS

Trolley Lines Y N Controls/Instructions/Securing/Limits of Approach? \_\_\_\_\_  
 Electrical Y N  
 Street Lighting Y N  
 Other \_\_\_\_\_ (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site Y N Instructions: Refer to one call  
 Underground Hazards & Controls? \_\_\_\_\_ (Examples: tidal flows, contaminated soils, utilities, wastewater, etc.)

Soil Conditions? \_\_\_\_\_  
 Geo Tech Requirement? Y N Instructions: Refer to set back instructions on site, etc. report

Padman / Spotter Required? Y N Mechanical Excavating Record to be completed by Refer to MRK  
 Utility Marks identified and clear? Y N Match utility plan? Y N  
 Shoring Installation Instructions: Timber set (Examples: shoring to be used, close & tight, installation instructions, etc.)



## CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

## PRINT NAME

1	D Seller	16
2	S Molzhan	17
3	F Girwa	18
4	E Kote	19
5	J Williams	20
6	P Dhillon	21
7	B Jones	22
8	A McLeod	23
9		24
10		25
11		26
12		27
13		28
14		29
15		30

HIRED EQUIPMENT (Backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL/ ACT..

Visitors and workers new to the site must be oriented to hazards and procedures.

## PRINT NAME and COMPANY

## ARRIVED ON SITE

## SIGNATURE

1	Michelle		
2	James		
3			
4	Dwayne		
5			
6			
7			
8			
9			
10			
11			
12			
13			

## ADDITIONAL INFORMATION/INSTRUCTIONS



DATE 4th Sep 6th TIME 7:00am SITE SUPERVISOR David Sellen  
 LOCATION: W King Ed & Quensel SIGNATURE [Signature]  
 Multisite? Y ☒ N

CONDITIONS Temp: 19° ☒ Clear ☐ Overcast ☐ Rain ☐ Snow ☐ Windy

## WORK PLAN FOR THE SHIFT:

Excavate main trench. Install STM  
& SAN. 5 Trucks Traffic flip to  
the south side of W King Ed  
Water tap @ Carnarvon

## SAFETY ISSUES

Traffic Plan Discussed: Y ☒ N Pedestrian Concerns: Y ☒ Cyclist Concerns: Y ☒  
 PPE: High Vis (vest), Safety Toes, Hard Hat, Protective Eye Wear Y ☒ N  
 Respiratory Hazards, Asbestos, Silica, Other: Y ☒ Instructions: \_\_\_\_\_

Confined Space Entry Y ☒ Confined Space Permit Completed Y ☒  
 Location of entry: \_\_\_\_\_  
 Fall Protection Required Y ☒ N Instructions: Guard rails

First Aid Attendant: \_\_\_\_\_ Level required on site: 1 ☒ 2 Name of attendant: Lewis Certificate on site? \_\_\_\_\_  
 Other: \_\_\_\_\_

## OVERHEAD HAZARDS

Trolley Lines Y ☒ Controls/Instructions/Securing/Limits of Approach?  
 Electrical Y ☒ Always spotting  
 Street Lighting Y ☒ N  
 Other \_\_\_\_\_ (Examples: trees, cranes, etc.)

## EXCAVATION

BC 1 Call & Utility Information on Site Y ☒ N Instructions: Refer to one call  
 Underground Hazards & Controls? (Examples: tidal flows, contaminated soils, utilities, water, etc.) map

Soil Conditions? Type C  
 Geo Tech Requirement? Y ☒ N Instructions (Examples: set back, instruction on site, etc.) geo report

Padman / Spotter Required? Y ☒ N Mechanical Excavating Record to be completed by Refer to MER  
 Utility Marks identified and clear? Y ☒ N Match utility plan? Y ☒ N  
 Shoring Installation Instructions: (Examples: shoring to be used, close & tight, installation instructions, etc.)

Timber set / Airshare / Sheet piles



## CHANGES / ADDITIONS

(Change in Conditions)

## IN ATTENDANCE

## PRINT NAME

1	D	Seller	16
2	J	Malzman	17
3	E	Shirwa	18
4	T	Williams	19
5	P	Phillips	20
6	C	Lewis	21
7	B	Jones	22
8	A	McLeod	23
9	D	Olson	24
10			25
11			26
12			27
13			28
14			29
15			30

HIRED EQUIPMENT (Backhoes, Trucks, etc) / OUTSIDE CONTRACTOR / CONSAW / TRAFFIC CONTROL / ACT..

Visitors and workers new to the site must be oriented to hazards and procedures.


## PRINT NAME and COMPANY

## ARRIVED ON SITE

## SIGNATURE

1	Michelle	(Ansan)
2	Yanis	
3		
4		
5	Dwayne	(Backhoe)
6		
7		
8		
9		
10		
11		
12		
13		

7:00



## ADDITIONAL INFORMATION/INSTRUCTIONS



Work Order	Activity	WO Short Description	Address	Work Area Prefix	Responsibility	Crew Id	Group Project #	Sub Activity	WBS	Network Status	Work Completed	Asset Description	Hansen-Only	Group Project Description	SAP Network#	Created	Result	Assigned To	WBS Description
1368389	RRwReact	RRw_Pothole_MR 66-2022	3200 to 329 R		RO	RMS66	94922				1/12/2022	W KING EDWARD AV h Y		RRw_Pothole_MR 66-2022		1/13/2022	Completed	JOSE SIMOES	
1368387	RRwReact	RRw_Pothole_MR 66-2022	3200 to 329 R		RO	RMS66	94922				1/12/2022	W KING EDWARD AV h Y		RRw_Pothole_MR 66-2022		1/13/2022	Completed	JOSE SIMOES	
1368388	RRwReact	RRw_Pothole_MR 66-2022	3200 to 329 R		RO	RMS66	94922				1/12/2022	W KING EDWARD AV h Y		RRw_Pothole_MR 66-2022		1/13/2022	Completed	JOSE SIMOES	
1368236	RRwReact	RRw_Pothole_NM 67-2022	3200 to 329 R		RO	RMS67	94928				1/12/2022	W KING EDWARD AV h Y		RRw_Pothole_NM 67-2022		1/13/2022		MARK ANSTICE	
1369707	RRwReact	RRw_Pothole_NM 68-2022	3200 to 329 R		RO	RMA68	94929				1/14/2022	W KING EDWARD AV h Y		RRw_Pothole_NM 68-2022		1/19/2022	Completed	COLIN MACKENZIE	
1387221	RRwReact	RRw_Pothole_NM 66-2022	3000 to 319 R		RO	RMS66	94927				2/15/2022	W KING EDWARD AV h Y		RRw_Pothole_NM 66-2022		2/24/2022		JOSE SIMOES	
1393406	RRwReact	RRw_Pothole_NM 67-2022	3000 to 319 R		RO	RMS67	94928				3/15/2022	W KING EDWARD AV h Y		RRw_Pothole_NM 67-2022		3/16/2022	Completed	JAMES KIRKPATRICK	
1577673	RRwReact	RRw_Pothole_NM 66-2022	3200 to 329 R		RO	RMS66	94927				6/24/2022	W KING EDWARD AV h Y		RRw_Pothole_NM 66-2022		6/27/2022	Completed	JOSE SIMOES	



# Work Order Summary

**Work Order #:** 1368236      **RRw\_Pothole\_NM 67-2022**  
**Asset ID #:** W KING EDWARD AV  
**Group Project #:** 94928      **RRw\_Pothole\_NM 67-2022**      **Streets Operations**  
**Location:** 3200 - 3299 W KING EDWARD AV  
**Operational Status:**      **Ref #1: :**      **Ref #2:**  
**Service Request:** 1893457      **Contact Name:** No Name No      **Phone#:**  
**Requested By:**      **Requested Date:**      **Initiated Date:** Jan 13, 2022

**Assigned By:** BLAIR GORDON TODD      **Assigned To:** MARK ANSTICE  
**Assigned Date:** Jan 12, 2022      **Crew ID:** RMS67      **Work Started:**  
**Result:**      **Work Completed:** Jan 12, 2022

**Comments:** Crew 67 - Potholes - Non-MRN | Accomplishment Code: RRwPothole

## Work Orders & Accomplishments:

WO#	Result	Completed Date				
1368236	Incomplete	Jan 12, 2022				
Accomplishment Date		Description	Quantity	Truck#	Assigned To	Comments
Jan 12, 2022		Pothole Repair	4	RMS67	MARK ANSTICE	AB

**Work Area Prefix:** R      **SAP Network #:** EERD94928      **WBS#:** EER-00008-PR-NM-GN

**Parent Network:**      **Billable:** N

Cost Summary	Estimated Costs	Actual Costs	Difference
Equipment	\$0.00	\$0.00	\$0.00
Labour	\$0.00	\$0.00	\$0.00
Material	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00
<b>TOTAL</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>



# Work Order Summary

**Work Order #:** 1368387      **RRw\_Pothole\_MR** 66-2022  
**Asset ID #:** W KING EDWARD AV  
**Group Project #:** 94922      **RRw\_Pothole\_MR** 66-2022      Streets Operations  
**Location:** 3200 - 3299 W KING EDWARD AV  
**Operational Status:**      **Ref #1:** :      **Ref #2:**  
**Service Request:** 1893269      **Contact Name:** No Name No      **Phone#:**  
**Requested By:**      **Requested Date:**      **Initiated Date:** Jan 13, 2022

**Assigned By:** BLAIR GORDON TODD      **Assigned To:** JOSE SIMOES  
**Assigned Date:** Jan 12, 2022      **Crew ID:** RMS66      **Work Started:**  
**Result:** Completed      **Work Completed:** Jan 12, 2022  
**Comments:** Crew 66 - Potholes - MRN | Accomplishment Code: RRwPothole

## Work Orders & Accomplishments:

WO#	Result	Completed Date				
1368387	Completed	Jan 12, 2022				
Accomplishment Date		Description	Quantity	Truck#	Assigned To	Comments
Jan 12, 2022		Pothole Repair	3	RMS66	JOSE SIMOES	AB

**Work Area Prefix:** R      **SAP Network #:** EERD94922      **WBS#:** EER-00008-PR-MR-GN  
**Parent Network:**      **Billable:** N

Cost Summary	Estimated Costs	Actual Costs	Difference
Equipment	\$0.00	\$0.00	\$0.00
Labour	\$0.00	\$0.00	\$0.00
Material	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00
<b>TOTAL</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>



# Work Order Summary

**Work Order #:** 1368388      **RRw\_Pothole\_MR** 66-2022  
**Asset ID #:** W KING EDWARD AV  
**Group Project #:** 94922      **RRw\_Pothole\_MR** 66-2022      Streets Operations  
**Location:** 3200 - 3299 W KING EDWARD AV  
**Operational Status:**      **Ref #1:** :      **Ref #2:**  
**Service Request:** 1893212      **Contact Name:** s.22(1)      **Phone#:**  
**Requested By:**      **Requested Date:**      **Initiated Date:** Jan 13, 2022

**Assigned By:** BLAIR GORDON TODD      **Assigned To:** JOSE SIMOES  
**Assigned Date:** Jan 12, 2022      **Crew ID:** RMS66      **Work Started:**  
**Result:** Completed      **Work Completed:** Jan 12, 2022

**Comments:** Crew 66 - Potholes - MRN | Accomplishment Code: RRwPothole

## Work Orders & Accomplishments:

WO#	Result	Completed Date				
1368388	Completed	Jan 12, 2022				
Accomplishment Date		Description	Quantity	Truck#	Assigned To	Comments
Jan 12, 2022		Pothole Repair	4	RMS66	JOSE SIMOES	AB

**Work Area Prefix:** R      **SAP Network #:** EERD94922      **WBS#:** EER-00008-PR-MR-GN

**Parent Network:**      **Billable:** N

Cost Summary	Estimated Costs	Actual Costs	Difference
Equipment	\$0.00	\$0.00	\$0.00
Labour	\$0.00	\$0.00	\$0.00
Material	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00
<b>TOTAL</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>



# Work Order Summary

**Work Order #:** 1368389      **RRw\_Pothole\_MR** 66-2022  
**Asset ID #:** W KING EDWARD AV  
**Group Project #:** 94922      **RRw\_Pothole\_MR** 66-2022      Streets Operations  
**Location:** 3200 - 3299 W KING EDWARD AV  
**Operational Status:**      **Ref #1:** :      **Ref #2:**  
**Service Request:** 1892521      **Contact Name:** No Name No      **Phone#:**  
**Requested By:**      **Requested Date:**      **Initiated Date:** Jan 13, 2022

**Assigned By:** BLAIR GORDON TODD      **Assigned To:** JOSE SIMOES  
**Assigned Date:** Jan 12, 2022      **Crew ID:** RMS66      **Work Started:**  
**Result:** Completed      **Work Completed:** Jan 12, 2022  
**Comments:** Crew 66 - Potholes - MRN | Accomplishment Code: RRwPothole

## Work Orders & Accomplishments:

WO#	Result	Completed Date				
1368389	Completed	Jan 12, 2022				
Accomplishment Date		Description	Quantity	Truck#	Assigned To	Comments
Jan 12, 2022		Pothole Repair	12	RMS66	JOSE SIMOES	AB

**Work Area Prefix:** R      **SAP Network #:** EERD94922      **WBS#:** EER-00008-PR-MR-GN  
**Parent Network:**      **Billable:** N

Cost Summary	Estimated Costs	Actual Costs	Difference
Equipment	\$0.00	\$0.00	\$0.00
Labour	\$0.00	\$0.00	\$0.00
Material	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00
<b>TOTAL</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>



# Work Order Summary

**Work Order #:** 1369707      **RRw\_Pothole\_NM 68-2022**  
**Asset ID #:** W KING EDWARD AV  
**Group Project #:** 94929      **RRw\_Pothole\_NM 68-2022**      **Streets Operations**  
**Location:** 3200 - 3299 W KING EDWARD AV  
**Operational Status:**      **Ref #1: :**      **Ref #2:**  
**Service Request:** 1893068      **Contact Name:** No Name No      **Phone#:**  
**Requested By:**      **Requested Date:**      **Initiated Date:** Jan 19, 2022

**Assigned By:** BLAIR GORDON TODD      **Assigned To:** COLIN MACKENZIE  
**Assigned Date:** Jan 14, 2022      **Crew ID:** RMA68      **Work Started:**  
**Result:** Completed      **Work Completed:** Jan 14, 2022  
**Comments:** Crew 68 - Potholes - Non-MRN | Accomplishment Code: RRwPothole

## Work Orders & Accomplishments:

WO#	Result	Completed Date				
1369707	Completed	Jan 14, 2022				
Accomplishment Date		Description	Quantity	Truck#	Assigned To	Comments
Jan 14, 2022		Pothole Repair	5	RMA68	COLIN MACKENZIE	AB

**Work Area Prefix:** R      **SAP Network #:** EERD94929      **WBS#:** EER-00008-PR-NM-GN  
**Parent Network:**      **Billable:** N

Cost Summary	Estimated Costs	Actual Costs	Difference
Equipment	\$0.00	\$0.00	\$0.00
Labour	\$0.00	\$0.00	\$0.00
Material	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00
<b>TOTAL</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>



# Work Order Summary

**Work Order #:** 1387221      **RRw\_Pothole\_NM** 66-2022  
**Asset ID #:** W KING EDWARD AV  
**Group Project #:** 94927      **RRw\_Pothole\_NM** 66-2022      Streets Operations  
**Location:** 3000 - 3199 W KING EDWARD AV  
**Operational Status:**      **Ref #1:** :      **Ref #2:**  
**Service Request:** 1911042      **Contact Name:** s.22(1)      **Phone#:**  
**Requested By:**      **Requested Date:**      **Initiated Date:** Feb 24, 2022

**Assigned By:** BLAIR GORDON TODD      **Assigned To:** JOSE SIMOES  
**Assigned Date:** Feb 15, 2022      **Crew ID:** RMS66      **Work Started:**  
**Result:**      **Work Completed:** Feb 15, 2022

**Comments:** Crew 66 - Potholes - Non-MRN | Accomplishment Code: RRwPothole

## Work Orders & Accomplishments:

WO#	Result	Completed Date				
1387221	Incomplete	Feb 15, 2022				
Accomplishment Date		Description	Quantity	Truck#	Assigned To	Comments
Feb 15, 2022		Pothole Repair	6	RMS66	JOSE SIMOES	BA

**Work Area Prefix:** R      **SAP Network #:** EERD94927      **WBS#:** EER-00008-PR-NM-GN  
**Parent Network:**      **Billable:** N

Cost Summary	Estimated Costs	Actual Costs	Difference
Equipment	\$0.00	\$0.00	\$0.00
Labour	\$0.00	\$0.00	\$0.00
Material	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00
<b>TOTAL</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>



# Work Order Summary

**Work Order #:** 1393406      **RRw\_Pothole\_NM** 67-2022  
**Asset ID #:** W KING EDWARD AV  
**Group Project #:** 94928      **RRw\_Pothole\_NM** 67-2022      Streets Operations  
**Location:** 3000 - 3199 W KING EDWARD AV  
**Operational Status:**      **Ref #1:** :      **Ref #2:**  
**Service Request:** 1922706      **Contact Name:** No Name No      **Phone#:**  
**Requested By:**      **Requested Date:**      **Initiated Date:** Mar 16, 2022

**Assigned By:** BLAIR GORDON TODD      **Assigned To:** JAMES KIRKPATRICK  
**Assigned Date:** Mar 15, 2022      **Crew ID:** RMS67      **Work Started:**  
**Result:** Completed      **Work Completed:** Mar 15, 2022  
**Comments:** Crew 67 - Potholes - Non-MRN | Accomplishment Code: RRwPothole

## Work Orders & Accomplishments:

WO#	Result	Completed Date				
1393406	Completed	Mar 15, 2022				
Accomplishment Date		Description	Quantity	Truck#	Assigned To	Comments
Mar 15, 2022		Pothole Repair	11	RMS67	JAMES KIRKPATRICK	AB

**Work Area Prefix:** R      **SAP Network #:** EERD94928      **WBS#:** EER-00008-PR-NM-GN  
**Parent Network:**      **Billable:** N

Cost Summary	Estimated Costs	Actual Costs	Difference
Equipment	\$0.00	\$0.00	\$0.00
Labour	\$0.00	\$0.00	\$0.00
Material	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00
<b>TOTAL</b>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>



# Work Order Summary

**Work Order #:** 1577673      **RRw\_Pothole\_NM** 66-2022  
**Asset ID #:** W KING EDWARD AV  
**Group Project #:** 94927      **RRw\_Pothole\_NM** 66-2022      Streets Operations  
**Location:** 3200 - 3299 W KING EDWARD AV  
**Operational Status:**      **Ref #1:** :      **Ref #2:**  
**Service Request:** 1971607      **Contact Name:** s.22(1)      **Phone#:** s.22(1)  
**Requested By:**      **Requested Date:**      **Initiated Date:** Jun 27, 2022

**Assigned By:** BLAIR GORDON TODD      **Assigned To:** JOSE SIMOES  
**Assigned Date:** Jun 24, 2022      **Crew ID:** RMS66      **Work Started:**  
**Result:** Completed      **Work Completed:** Jun 24, 2022  
**Comments:** Crew 66 - Potholes - Non-MRN | Accomplishment Code: RRwPothole

## Work Orders & Accomplishments:

WO#	Result	Completed Date				
1577673	Completed	Jun 24, 2022				
Accomplishment Date		Description	Quantity	Truck#	Assigned To	Comments
Jun 24, 2022		Pothole Repair	4	RMS66	JOSE SIMOES	TC - 3214 W KING ED

**Work Area Prefix:** R      **SAP Network #:** EERD94927      **WBS#:** EER-00008-PR-NM-GN  
**Parent Network:**      **Billable:** N

Cost Summary	Estimated Costs	Actual Costs	Difference
Equipment	\$0.00	\$0.00	\$0.00
Labour	\$0.00	\$0.00	\$0.00
Material	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00
<b>TOTAL</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>



Wagon Location **National Yard**

A/A 923 673 574-cc

**Streets Operations Daily Crew Report**

Rev. \_\_\_\_\_

February 15, 2022

Work order # and Hours

Crew # **66**  
Field Supervisor **Mezzomo 604-619-2057**  
Superintendent **Blair Todd**

  
(signed)  
  
(signed)

Hours of Work AM - 7:00 PM 3:30

Emp #	Employee	Equip #	Activity Type	A/Abs Stat Code	Pay Scale Group	Prem Code	1	2	3	4	5
s.22(1)	M. Skinner			6000			6		2		
s.22(1)	J. Simoes	A1235		6000			6		2		
Equipment Name			Equipment ID			Running Hrs					
TRUCK, DUMP, 1 YARD			A1235			6 2					
Toilets			Number of								
Flashers			Number of								
Dumps (National Yards Only)			Yrds Dumped								



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Wagon Location **National Yard**

A/A 923 578 588-12

**Streets Operations Daily Crew Report**

Rev. \_\_\_\_\_

January 12, 2022

Work order # and Hours

Crew # **66**  
Field Supervisor **Mezzomo 604-619-2057**  
Superintendent **Dan Gurniak**

*[Signature]*  
(signed)  
*[Signature]*  
(signed)

1	2	3	4	5
5508 94922	5508 94939	5508 94911		

Hours of Work 7:00 AM - 3:30 PM

Emp #	Employee	Equip #	Activity Type	A/Abs Stat Code	Pay Scale Group	Prem Code
s.22(1)	M. Skinner			7006		
s.22(1)	J. Simoes	A1235		6000		
s.22(1)	J. Carter			6000		

Equipment Name	Equipment ID	Running Hrs
TRUCK, CLASS 4, CREW CAB, DUMP BODY, DIESEL	C1273	
TRUCK, DUMP, 1 YARD	A1235	5 2 1
Toilets	Number of	
Flashers	Number of	
Dumps (National Yards Only)	Yrds Dumped	



January 12, 2022      Crew # 66      Field Supervisor Mezzomo      Superintendent Dan Gurniak

Location 1	SEL 94922	Material	Amount 2	Comments
1882894	1893212			
1889990	1893269			
1890625	1892592	36	1.75	
1890334	1892683			
1889388				
1892595				
1893288				
1892599				
1892521		Dump:	Location:	
Sign safety when Departing Location:    Cones <input type="checkbox"/> Snow Fence <input type="checkbox"/> Tape <input type="checkbox"/> Barricade <input type="checkbox"/> Ramps <input type="checkbox"/> Flashers <input type="checkbox"/> Delineators <input type="checkbox"/>				
Signage Used: _____ By: _____ (Initials)				
Activity Code		Units Completed	Measurement	

Location 2	SEL 1042939	Material	Amount	Comments
1893580				- Floods
1893841				
		Dump:	Location:	
Sign safety when Departing Location:    Cones <input type="checkbox"/> Snow Fence <input type="checkbox"/> Tape <input type="checkbox"/> Barricade <input type="checkbox"/> Ramps <input type="checkbox"/> Flashers <input type="checkbox"/> Delineators <input type="checkbox"/>				
Signage Used: _____ By: _____ (Initials)				
Activity Code		Units Completed	Measurement	

Location 3	SEL 94911	Material	Amount	Comments
1883124		36	0.241	
		Dump:	Location:	
Sign safety when Departing Location:    Cones <input type="checkbox"/> Snow Fence <input type="checkbox"/> Tape <input type="checkbox"/> Barricade <input type="checkbox"/> Ramps <input type="checkbox"/> Flashers <input type="checkbox"/> Delineators <input type="checkbox"/>				
Signage Used: _____ By: _____ (Initials)				
Activity Code		Units Completed	Measurement	

Location 4		Material	Amount	Comments
		Dump:	Location:	
Sign safety when Departing Location:    Cones <input type="checkbox"/> Snow Fence <input type="checkbox"/> Tape <input type="checkbox"/> Barricade <input type="checkbox"/> Ramps <input type="checkbox"/> Flashers <input type="checkbox"/> Delineators <input type="checkbox"/>				
Signage Used: _____ By: _____ (Initials)				
Activity Code		Units Completed	Measurement	

Location 5		Material	Amount	Comments
		Dump:	Location:	
Sign safety when Departing Location:    Cones <input type="checkbox"/> Snow Fence <input type="checkbox"/> Tape <input type="checkbox"/> Barricade <input type="checkbox"/> Ramps <input type="checkbox"/> Flashers <input type="checkbox"/> Delineators <input type="checkbox"/>				
Signage Used: _____ By: _____ (Initials)				
Activity Code		Units Completed	Measurement	



Wagon Location National Yard

A/A 923 586 059-11


Streets Operations Daily Crew Report

Rev.

January 14, 2022

Work order # and Hours

Crew # 66  
Field Supervisor Mezzomo 604-619-2057  
Superintendent Dan Gurniak

(signed)  
  
(signed)

1	2	3	4	5
94927	94929			

Hours of Work 7:00 AM - 3:30 PM

Emp #	Employee	Equip #	Activity Type	A/Abs Stat Code	Pay Scale Group	Prem Code	1	2	3	4	5
s.22(1)	R. Fleming	D1278 1289		6000			7	1			
s.22(1)	G. Teja			6000			7	1			
Equipment Name							Equipment ID				
TRUCK, DUMP, 1 YARD							A1235				
TRUCK, DUMP, 1 YARD							D1278				
Toilets							Number of				
Flashers							Number of				
Dumps (National Yards Only)							Yrds Dumped				



January 14, 2022 Crew # 66 Field Supervisor Mezzomo Superintendent Dan Gurniak

Location 1	PERD94927	Material	Amount	Comments
Various Locations				Repaired potholes
				Broken asphalt
				Cleaned debris
		Dump:	Location:	

Sign safety when Departing Location: Cones ☐ Snow Fence ☐ Tape ☐ Barricade ☐ Ramps ☐ Flashers ☐ Delineators ☐

Signage Used: By: *VP* (Initials)

Activity Code  Units Completed  Measurement

Location 2	PERD94927	Material	Amount	Comments
Fremlin & W 70th 1894370		4 PH	36-1.987	
1894699 5665 MacKenzie		6 PH		
4350 Arbutus 1894398		2 PH		
		Dump:	Location:	

Sign safety when Departing Location: Cones ☐ Snow Fence ☐ Tape ☐ Barricade ☐ Ramps ☐ Flashers ☐ Delineators ☐

Signage Used: By: (Initials)

Activity Code  Units Completed  Measurement

Location 3	PERD94927	Material	Amount	Comments
3893 W 39th 1894530		20 PH		
1894343 4051 Cypress		25 PH		
1894606 2068 M. Nicol		1 PH		
1894685 4350 Arbutus		4 PH		
		Dump:	Location:	

Sign safety when Departing Location: Cones ☐ Snow Fence ☐ Tape ☐ Barricade ☐ Ramps ☐ Flashers ☐ Delineators ☐

Signage Used: By: (Initials)

Activity Code  Units Completed  Measurement

Location 4	PER1042939	Material	Amount	Comments
1894612 5325 W Boulevard		CNL		
		Dump:	Location:	

Sign safety when Departing Location: Cones ☐ Snow Fence ☐ Tape ☐ Barricade ☐ Ramps ☐ Flashers ☐ Delineators ☐

Signage Used: By: (Initials)

Activity Code  Units Completed  Measurement

Location 5		Material	Amount	Comments
		Dump:	Location:	

Sign safety when Departing Location: Cones ☐ Snow Fence ☐ Tape ☐ Barricade ☐ Ramps ☐ Flashers ☐ Delineators ☐

Signage Used: By: (Initials)

Activity Code  Units Completed  Measurement



Wagon Location **National Yard**

A/A 923751935

**Streets Operations Daily Crew Report**

Rev. \_\_\_\_\_

March 15, 2022

Work order # and Hours

Crew # **67**  
Field Supervisor **Mezzomo 604-619-2057**  
Superintendent **Blair Todd**

*[Signature]*  
(signed)  
*[Signature]*  
(signed)

1	2	3	4	5
82646 0023	82646 0023	21646 0023	6567101 2039	6567101 2039

Hours of Work 7:00 AM - 3:30 PM

Emp #	Employee	Equip #	Activity Type	A/Abs Stat Code	Pay Scale Group	Prem Code	1	2	3	4	5
s.22(1)	J. Kirkpatrick	B1203	P74	6000	GR-320		3	.5	1	3	.5
s.22(1)	J. Carter			6000			3	.5	1	3	.5
Equipment Name		Equipment ID		Running Hrs							
TRUCK, DUMP, 1 YARD		B1203		3 .5 1 . 3 .5							
<u>#36</u>		<u>2 TON</u>									
Toilets		Number of		0							
Flashers		Number of									
Dumps (National Yards Only)		Yrds Dumped									

ENTERED



March 15, 2022      Crew # 67      Field Supervisor Mezzomo      Superintendent Blair Todd

Location 1 *EERO* *94928*      Material      Amount      Comments

		<i>PHs</i>	
<i>1922706.</i>	<i>#36.</i>	<i>11.</i>	
<i>1925580.</i>	<i>"</i>	<i>2</i>	<i>DISPATCH</i>
<i>1925608.</i>	<i>46</i>		<i>DISPATCH.</i>
<i>L/R 1735 NELSON ST.</i>	<i>0.51</i>	<i>2</i>	<i>FRANK MEZZOMO.</i>
	Dump:	Location:	

Sign safety when Departing Location:      Cones ☐      Snow Fence ☐      Tape ☐      Barricade ☐      Ramps ☐      Flashers ☐      Delineators ☐

Signage Used:      By: (Initials)

Activity Code *PHs N-MRN.*      Units Completed      Measurement

Location 2 *EERO* *94923*      Material      Amount      Comments

<i>1925653.</i>	<i>36</i>	<i>9 PHs.</i>	<i>DISPATCH.</i>
	<i>0.31</i>		
	Dump:	Location:	

Sign safety when Departing Location:      Cones ☐      Snow Fence ☐      Tape ☐      Barricade ☐      Ramps ☐      Flashers ☐      Delineators ☐

Signage Used:      By: (Initials)

Activity Code *PHs MRN.*      Units Completed      Measurement

Location 3 *EERO* *94912*      Material      Amount      Comments

<i>1922173.</i>			
<i>1922930.</i>			
			<i>DISPATCH.</i>
	Dump:	Location:	

Sign safety when Departing Location:      Cones ☐      Snow Fence ☐      Tape ☐      Barricade ☐      Ramps ☐      Flashers ☐      Delineators ☐

Signage Used:      By: (Initials)

Activity Code *SW FILLETS N-MRN.*      Units Completed      Measurement

Location 4 *EER* *1042939*      Material      Amount      Comments

<i>1915769.</i>	<i>#36</i>	<i>0.941</i>	
<i>1924563</i>			
<i>1915764.</i>	<i>46</i>		
<i>1924288.</i>			
<i>1920667.</i>			
<i>1922780.</i>			
<i>1925770.</i>			
	Dump:	Location:	

Sign safety when Departing Location:      Cones ☐      Snow Fence ☐      Tape ☐      Barricade ☐      Ramps ☐      Flashers ☐      Delineators ☐

Signage Used:      By: (Initials)

Activity Code *ROADWAY INSPECTION.*      Units Completed      Measurement

Location 5 *EER* *1154408.*      Material      Amount      Comments

<i>1132 ROBSON</i>			<i>PICKED UP PIECE OF GLASS</i>
<i>(22-39207)</i>			<i>FROM BROKEN STOP</i>
<i>VPD.</i>			<i>WINDOW FOR VPD.</i>
	Dump:	Location:	

Sign safety when Departing Location:      Cones ☐      Snow Fence ☐      Tape ☐      Barricade ☐      Ramps ☐      Flashers ☐      Delineators ☐

Signage Used:      By: (Initials)

Activity Code *EXPANDS.*      Units Completed      Measurement