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Overview

Introduction

This report outlines a construction management plan that will be in place for the duration of the construction of 450 Richmond. The approved redevelopment of 450 Richmond Street West consists of 19-storey mixed-use development which is located midblock on the north side of Richmond Street West between Spadina Avenue and McDougall Lane. The construction site is bounded by the following streets/properties:



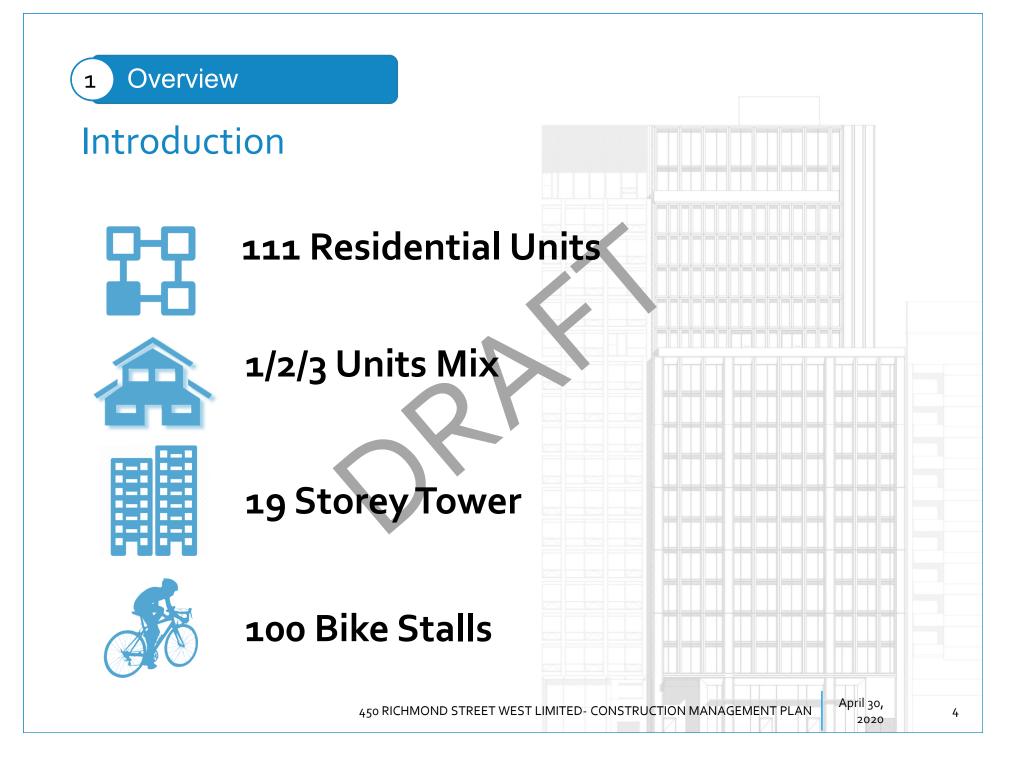
SUBJECT SITE

North side: Graffiti Alley

South side: Richmond Street West

- East side: Private 438 Richmond St West
- West side: Private 452 Richmond St West

April 30, 450 RICHMOND STREET WEST LIMITED- CONSTRUCTION MANAGEMENT PLAN



Overview

Notification of Area Residents

- General Contractor, will notify area residents via <u>letter distribution</u> of construction start, construction duration, working times (as per City of Toronto applicable by-laws) and contact information for any noise and construction related inquiries;
- General Contractor will also <u>email all</u> <u>neighbouring property managers</u> and key stakeholders on a monthly basis to keep them aware of activities that may impact the community (See appendix A for example); and
- Site office <u>contact information</u> and general contractor's emergency (after-hours) line will be <u>posted on all site access gates</u> as well as site hoarding.
- A website will be created to provide post construction activity updates, advance road closure notices and revised schedules, etc.

°CONSTRUCTION PROJECT SITE°

nd contact Instruction related	AUTHORIZED PERSONAL PROTECTIVE PERSONNEL ONLY EQUIPMENT			
.90	ALL PERSONS MUST CONTACT SITE SUPERVISOR BEFORE ENTERING	HARD HAT	1	
ail all ers and key	Prime Contractor/ Your Company Name HERE	SAFETY FOOTWEAR	₫	
to keep them act the	Site Supervisor:	HIGH VISIBILITY	1	
example); and	Committee/ Representitive:	EYE PROTECTION		
and general ours) line will be as well as site	Contact: L J First Aid: () or 911 First Aid Kit: ON SITE or in Service Vehicle OTHE			
	First Aiders: ON SITE PIST A0 Safety Rep: ON SITE or Contact Employer	Your Company Con Information Her	_	
vide post Ivance road dules, etc.				
450 RICHMOND STREET WEST I	LIMITED- CONSTRUCTION MANAGEMEN	T PLAN April 30, 2020	5	

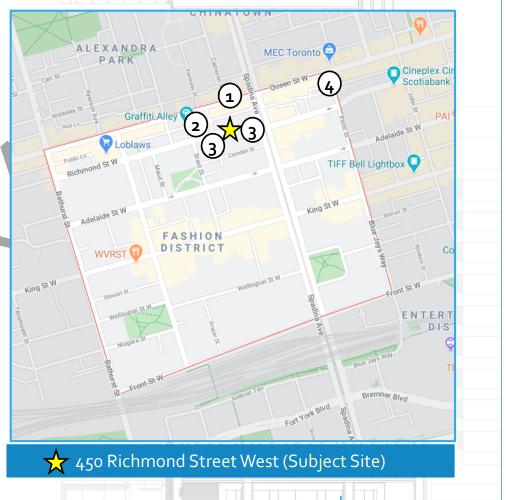
Overview

1

Stakeholders to be notified

The following Neighborhood Stakeholders will be notified (list to be updated):

- **1.** Queen Street West Business Improvement Area
- 2. The Laneway Project (Graffiti Alley)
- Neighbouring Condominium Association **२**.
 - The Woodsworth Condos a) (452 Richmond Street West)
 - b) The Morgan Condos (438 Richmond Street West)
- Garment District Neighborhood Association 4. (Red Outline)
 - a) Queen West (Neighbors)



April 30, 450 RICHMOND STREET WEST LIMITED- CONSTRUCTION MANAGEMENT PLAN

Phase 1: Mobilization & Demolition

Under the existing conditions, there is no structure to demolish so demolition will be limited to break-up and removal of the existing ground (asphalt etc...). All anticipated demolition related activities will take place within the subject site boundaries and will conform to all City of Toronto applicable by-laws, Ministry of Environment standards and Ministry of Labour regulations. However, there is currently no structure on the 450 Richmond Street that needs to demolished.



🛧 450 Richmond St (Development Site)



Existing Conditions

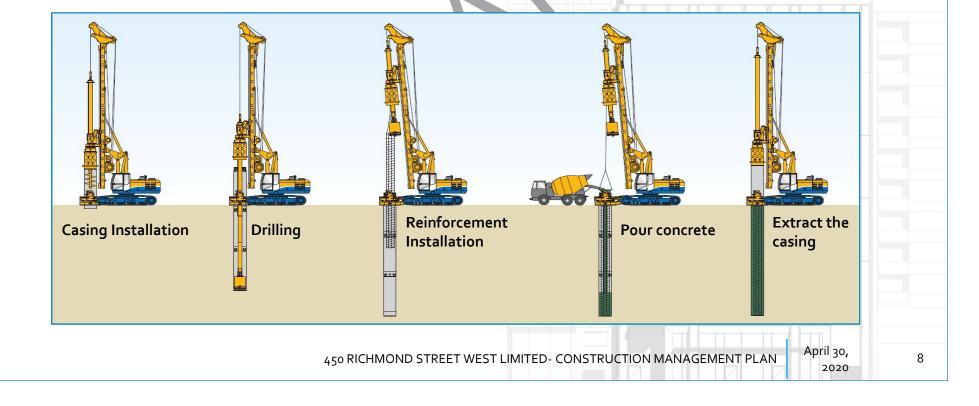
450 RICHMOND STREET WEST LIMITED- CONSTRUCTION MANAGEMENT PLAN

April 30,

Activities

Phase 2: Shoring and Pile Drilling

- Shoring and Pile Drilling activities will begin immediately after preparing the ground for drilling and upon fence installation.
- All truck traffic will enter from Richmond Street West
- The construction sequence for (shoring and pile drilling) as below:



Construction Phases

2

Phase 3: Excavation and Foundation / Above Grade **Building Construction Activities**

- Excavation will start immediately after shoring and pile drilling. A temporary excavation ramp will be placed within the site to excavate the material (location to be advised).
 - Foundation concrete formwork will begin as soon as the site has been fully excavated and shored.
 - Above grade building construction work will commence upon completion of the below grade structure.

Hoarding and/or Security Fencing

Activities

Team will complete the Street Occupancy Permit application for sidewalk closure/relocation along Richmond Street and Graffiti Alley Lane (if need be).

Construction Phases

Phase 3: Excavation and Foundation /Above Grade **Building Construction Activities**

- Team will also provide signage required to alert and advise pedestrian, bicycle and vehicular traffic.
- Team will utilize jersey barriers with plywood hoarding to delineate the traffic lane from the construction zone.
- Hoarding and/or Security Fencing

2

- Team will supply a combination of single face hoarding/modular fencing to secure the site perimeter.
- Construction and subject site traffic control measures will be in place and utilized at all times.
- All hoarding and fencing will be secured tightly to the ground and will be maintained by team in good conditions throughout construction duration.
- Note: Team have employed a traffic consultant to assist in preparing a construction management plan that will be used for the submission of the required laneway occupancy and sidewalk relocation permit.

Scheduling

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All construction activities will be subject to the City of Toronto noise by-laws and approved working hours. Scheduling is to be advised.

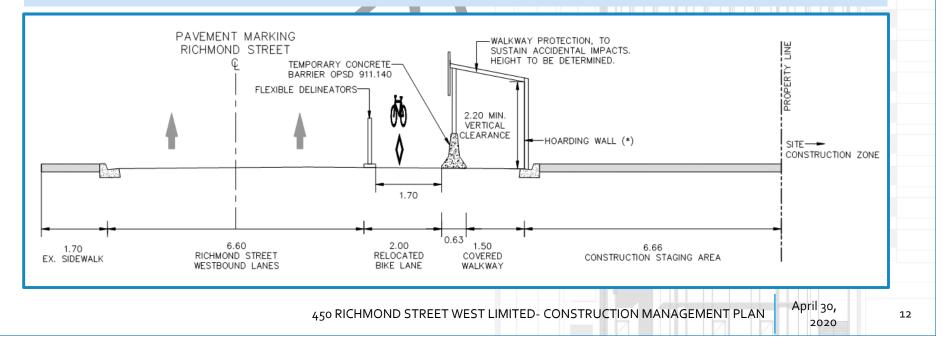
Demolition	Trips/day	Month – Month	Year –Year	Truck type
Shoring				Trailer
Excavation				Tri-axle dump truck
Concrete Work Phase - Below G	rade			
Formwork				Tractor trailer
Concrete Supplies				Flat bed
Concrete Trucks Supply				Concrete Trucks
Reinforcing Supply				Tractor trailer
Concrete Work Phase - Above G	rade			
Formwork				Tractor trailer
Concrete Supplies				Flat bed
Concrete Trucks Supply				Concrete Trucks
Reinforcing Supply				Tractor trailer
Building Enclosure Phase				
Roofing				Flat bed
Windows / Aluminium / Glass				Truck
Interior Finishing Phase				
Interior Masonry				Truck
Drywall				Truck
Applied Finishes				Truck
Stone Flooring & Ceramics				Truck
Interior Steel Stairs & Handrails				Truck

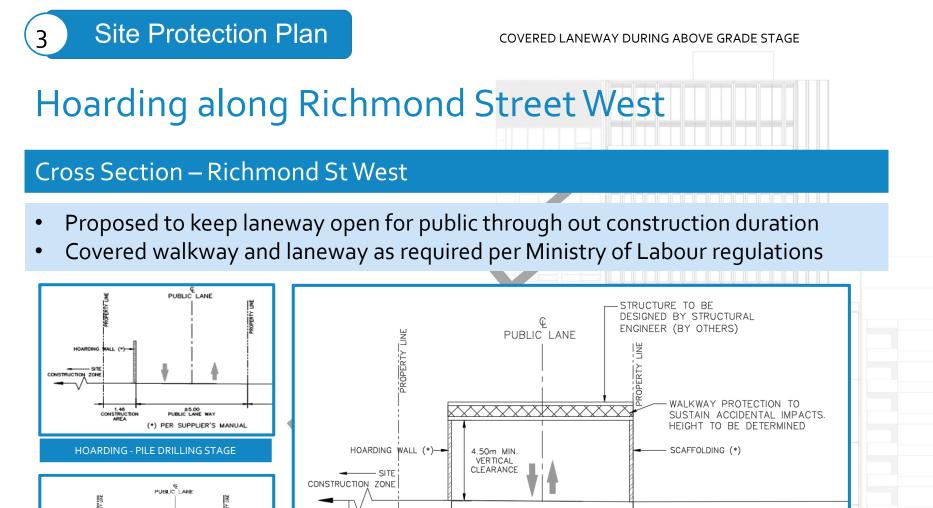


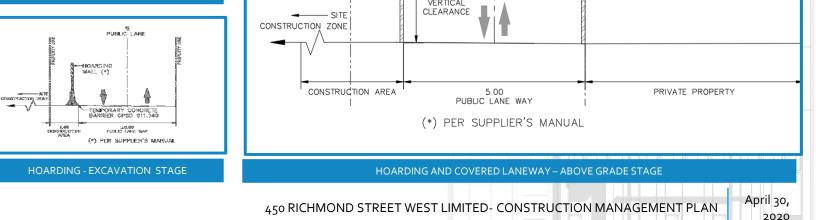
Hoarding along Richmond Street West

Cross Section – Richmond St West

- Covered walkway as required per Ministry of Labour regulations
- Existing traffic lane and bike lane occupancy at the frontage of subject site
- Proposed re-aligned bike lane
- Existing westbound through lanes on Richmond St W to be reduced to 3.3m each and will be maintained through out construction duration.







Construction Access

Team will ensure that all construction accesses to the subject site will be provided to subcontractors and material suppliers. Traffic flow will be directed to the site gate on Richmond Street during Above grade construction.

Gate location – Richmond St West

- Shall be located at the south end of the construction zone
- All construction truck access points are anticipated to be on Richmond Street West
- Vehicles and materials will be transferred in and out of the site during construction activities
- During the shoring and excavation stages, the dump trucks will exit through the south-east corner of the subject site. The temporary ramp extending from the hole will use the same gate
- Exact location of the gates to be advised

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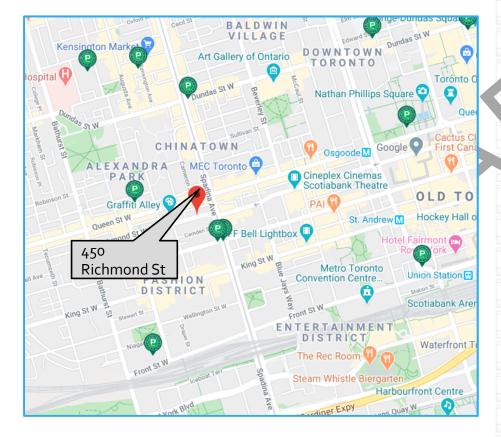
TRUCK ACCESS DURING

HORING AND EXCAVATION

TRUCK ACCESS DURING ABOVE GRADE CONSUTRCTION

Parking Management

Parking Management Strategy



- Construction trades will not be allowed to bulk park on-site;
- As a way to avoid illegal parking and to bring attention to areas where parking is permitted, all contractors will be advised of the available parking areas close to the site; and
- To avoid improper parking of vehicles, the general contractor will take reasonable steps by reminding and providing monthly updates to on-site workers.

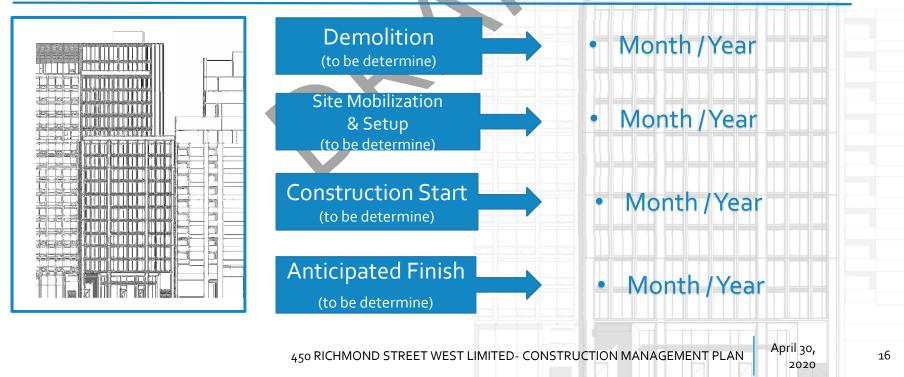
April 30,

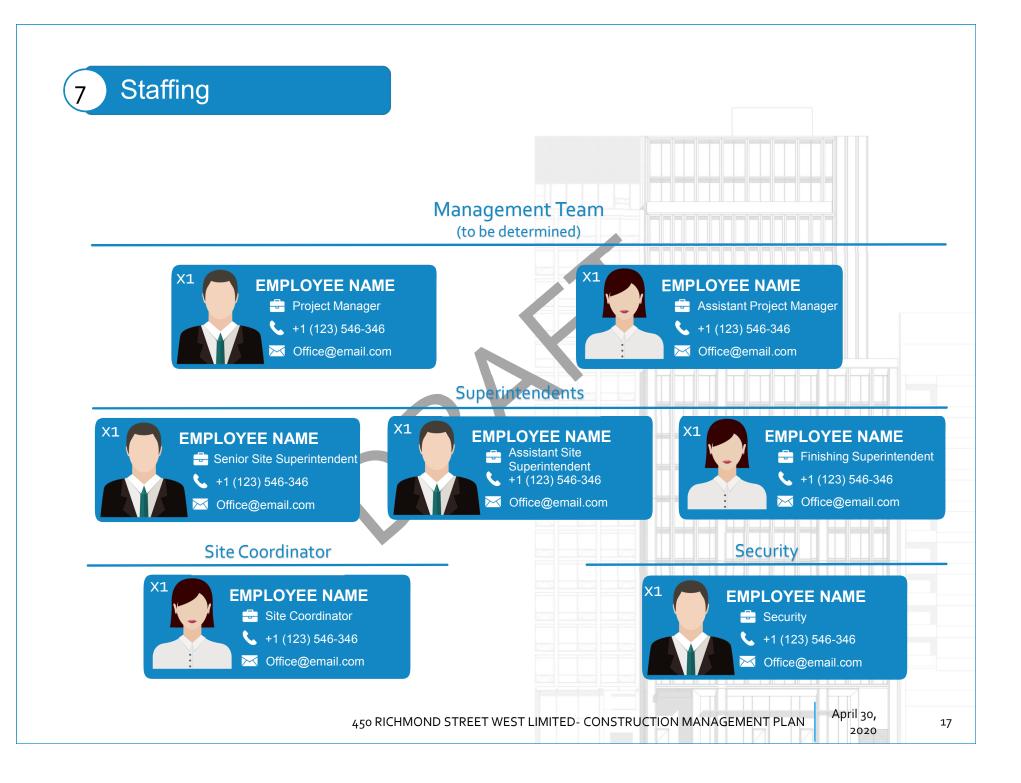
6 Staging

Construction Staging Activities

Construction activities will take place Monday through Friday during the hours of 7:00 AM to 7:00 PM. Any after hours or weekend construction activity required will conform to all City of Toronto applicable by-laws.

Construction Staging Activities and Duration

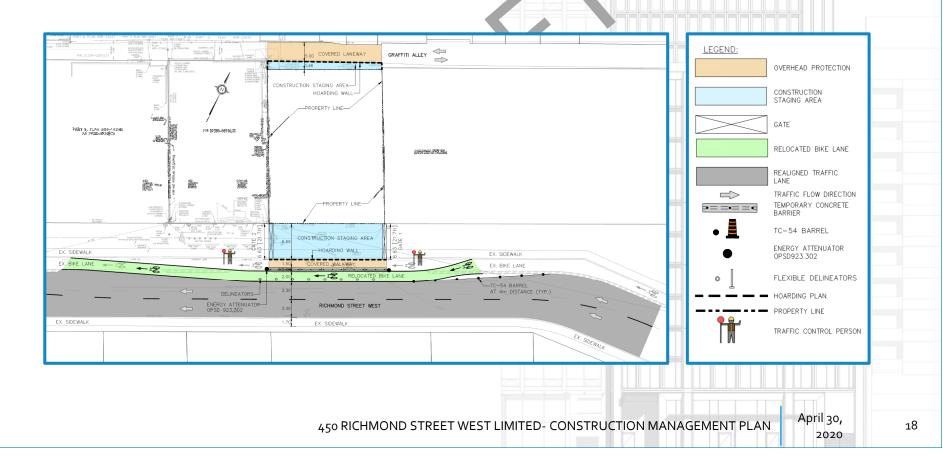


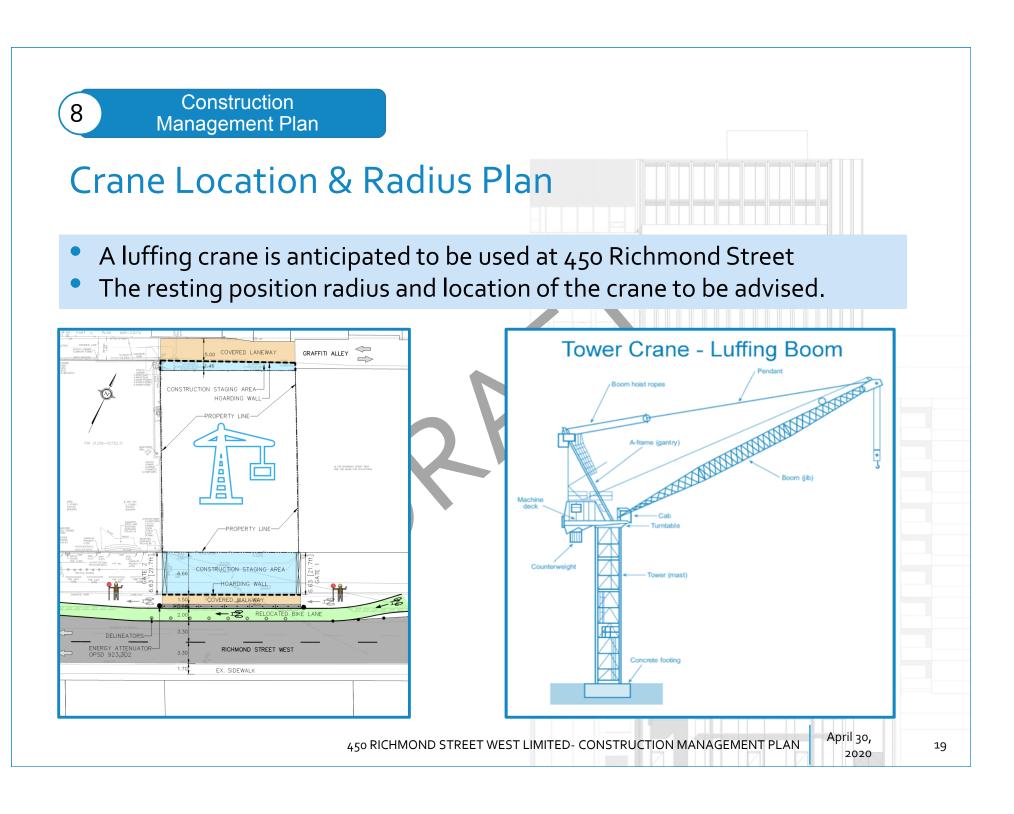




Construction Management Plan

The site plan has been designed to not only ensure worker and public safety but also to minimize the impact to vehicular traffic.

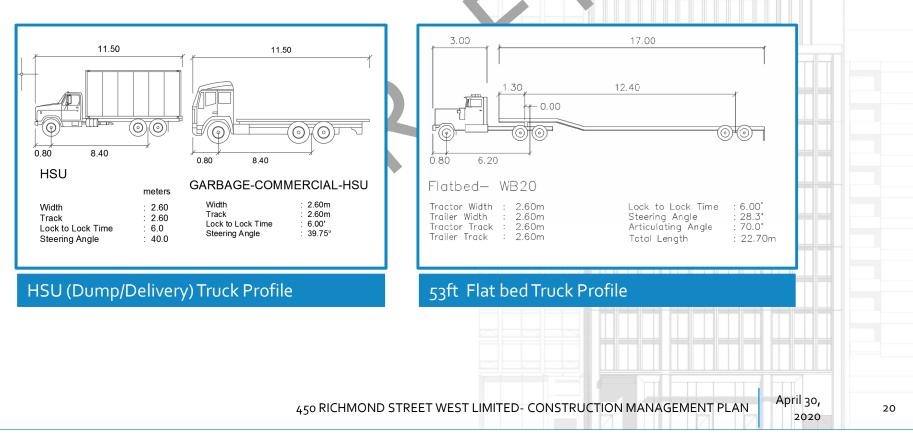




Construction Vehicles

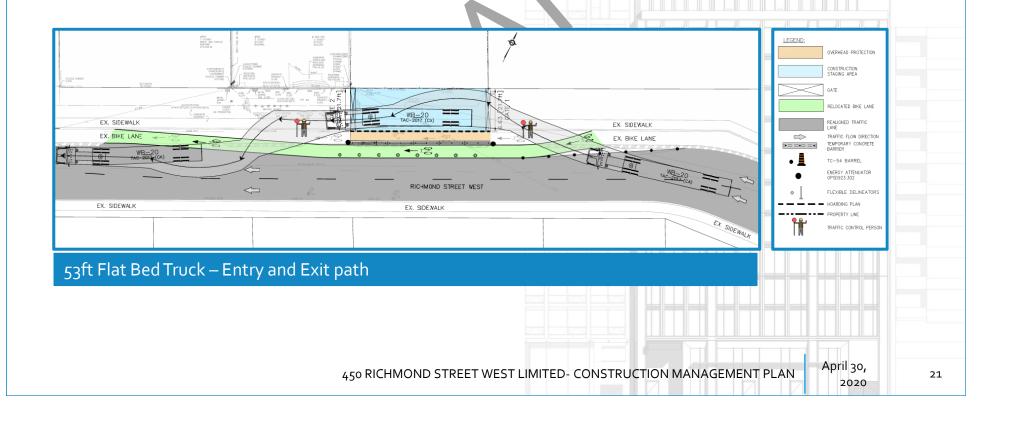
The following construction vehicles will be used:

- HSU vehicles (the Transportation Association Canada (TAC) design vehicle HSU represents the longer single unit vehicle like the "Dump" and "Concrete" trucks, etc....)
- 53 ft tractor trailers



Tractor Trailer Inbound and Outbound Movement

- 53 ft tractor trailers will travel westbound on Richmond Street West towards the staging area.
- Two (2) certified traffic control flagman will be present on site to regulate the traffic and pedestrians when the trucks are entering or exiting the site.



Concrete and Dump Truck Inbound and Outbound Movement

- The Transportation Association of Canada (TAC) design vehicle HSU represents the longer single unit vehicle like the "Dump" and "Concrete" trucks, etc.
- Concrete and Dump trucks will travel west bound on Richmond Street West towards the staging area
- Two (2) certified traffic control flagman will be present on site to regulate the traffic and pedestrians when the trucks are entering or exiting the site.

