



# Construction Management Plan

**DRAFT 10/20/2020**

## Table of Contents

<b>1. Public Safety.....</b>	<b>2</b>
1.1. Police Details	
1.2. Perimeter Protection	
1.3. Emergency Site Access	
1.4. Snow Removal	
1.5. Street Cleaning	
<b>2. Abutter and Municipal Coordination.....</b>	<b>3</b>
2.1. Abutter Coordination	
2.2. Impact on Existing Construction Projects	
2.3. Signage	
2.4. Utility Connections	
<b>3. Construction Logistics.....</b>	<b>4</b>
3.1. Deliveries	
3.2. Material Handling	
3.3. Construction Waste	
3.4. Construction Hours	
3.5. Construction Worker Parking	
3.6. Portable Sanitary Facilities	
3.7. Wash Stations	
<b>4. Mitigation Measures.....</b>	<b>6</b>
4.1. Environmental	
4.2. Air Quality and Dust Control	
4.3. On-site Dewatering	
4.4. Pest Control	
4.5. Noise Control	
4.6. Vibration Monitoring	
4.7. Preconstruction Surveys	
<b>5. Exhibits.....</b>	<b>7</b>
5.1. Exhibit A – Logistics Plan	
5.2. Exhibit B – Loading Lane and Sidewalk Detail	
5.3. Exhibit C – Site Signage	
5.4. Exhibit D – Dust Control Plan	
5.5. Exhibit C – Fall Rescue Plan	

# Public Safety

## **Police Details**

Police details will be provided during construction activities as required to facilitate traffic flow and pedestrian safety.

## **Perimeter Protection**

This project is zero lot line on all sides. We anticipate installing concrete jersey barriers with fence and scrim along Somerset Avenue and temporary fence panels with scrim along Cottage Park Road. Lot lines abutting neighbors will be protected with temporary fence panels as needed.

## **Emergency Site Access**

Access to the site for emergency vehicles will be maintained at all times and will follow the site specific NFPA 241 plan. The site will be available for inspection by the fire and police departments upon completion of the perimeter fencing installation. We also plan to have regular site tours of the project by the fire department as construction progresses to allow local crews to familiarize themselves with the building prior to occupancy.

## **Snow Removal**

Procopio Companies will be responsible for all onsite snow. This will include any public sidewalks or street areas that may be rented from the town. All snow will be either stock piled onsite or removed from the site, under no circumstances will the snow be placed or stored on public property.

## **Street Cleaning**

Street cleaning will take place daily or as frequently as needed to maintain a clean site. Street cleaning is limited to soils and debris originating from the site.

# **Abutter and Municipal Coordination**

## **Abutter Coordination**

All immediate abutting properties will be notified prior to the start of construction and will be provided regular project updates via email. A neighborhood email list will be maintained throughout the project and may include ward councilors or local representatives as needed.

## **Impact on Existing Construction Projects**

Procopio Companies will coordinate our work with the ongoing municipal road and utility rework on Somerset Avenue and Cottage Park Road.

## **Signage**

Signage will be provided to direct pedestrians around the site as needed. Signage will be provided to direct onsite personnel and deliveries. Gates will be marked with signs designating each gate by letter. Fire Department Connections and fire hydrants will be marked with temporary signage during construction. See Exhibit C for signage details.

## **Utility Connections**

Sewer, water and drainage work in the street will be completed and left stubbed under the sidewalks prior to Procopio taking the site. These connections will be made by P Gioioso, the city's utility contractor already working in the area as part of the rework of utilities on Somerset Avenue and Cottage Park Road. Procopio's site contractor will make building connections to these stubs in the sidewalk area at the property line. Electric and gas services will be coordinated with local utility providers as soon as the project phasing allows, typically after the frame has begun.

# Construction Logistics

## **Deliveries**

Construction material deliveries will be unloaded in a pre-marked unloading zone on Somerset Avenue as shown in Exhibit A.

## **Material Handling**

Due to the space restrictions on site most deliveries will be delivered and placed immediately in their final position by boom truck or crane. A small boom forklift may be kept on site to move materials inside the parking garage.

## **Street and Sidewalk Rentals**

Due to the space restrictions on site Procopio will be requesting temporary use of all abutting sidewalks and a 10-foot-wide portion of Somerset Avenue. All temporary space on public property will be fenced and secured to ensure safety for all pedestrians and onsite workers. See Exhibits A and B.

## **Construction Waste**

Roll off dumpsters will be used to handle construction debris on site. A licensed waste hauler will be contracted to remove the waste on a weekly basis or as frequently as needed during each phase of construction. A trash chute may be used to move construction debris from the upper floors of the project to the dumpster.

## **Construction Hours**

Construction hours will be from 7:00 AM to 6:00 PM Monday through Friday and 7:00 AM to 5:00 PM on Saturday. No work will be allowed on Sundays without prior consent from the building department. Special permits will be obtained as needed in accordance with local requirements.

## **Construction Worker Parking**

During demolition, sitework, foundations and structural steel erection workers will be parking onsite and in the loading lane on Somerset Ave. Once the superstructure is under way every

attempt will be made to keep worker vehicles in the parking garage onsite. Overflow parking may be required in municipal parking zones.

### **Portable Sanitary Facilities**

Portable bathrooms will be provided on site for workers. One porta-potty will be provided for every ten workers. We believe there will be four to five units on site at any given time. Portable bathrooms will be cleaned at least weekly, or more frequently if required due to onsite conditions.

### **Wash Stations**

Temporary wash stations will be provided onsite as required by current Covid19 regulations.

# Mitigation Measures

## **Environmental**

The existing brick and steel structure will be demolished, and the debris will be removed from the site. Part of this process includes abatement of items listed in a report from Enviro-Safe dated 12/7/2010. All demo and abatement will be conducted by a licensed contractor.

## **Air Quality and Dust Control**

Procopio has a written dust control program in place for this project. Dust will be controlled on site through the use of water hoses and sprinkler systems as well as protecting soil piles with tarpaulins as needed. See Exhibit D.

## **On-site Dewatering**

A registered geotechnical engineer has been engaged to design dewatering systems and apply for any required permitting.

## **Pest Control**

Procopio will contract with a licensed pest control contractor prior to the start of any work onsite.

## **Noise Control**

In an effort to control noise work will only be allowed during permitted hours.

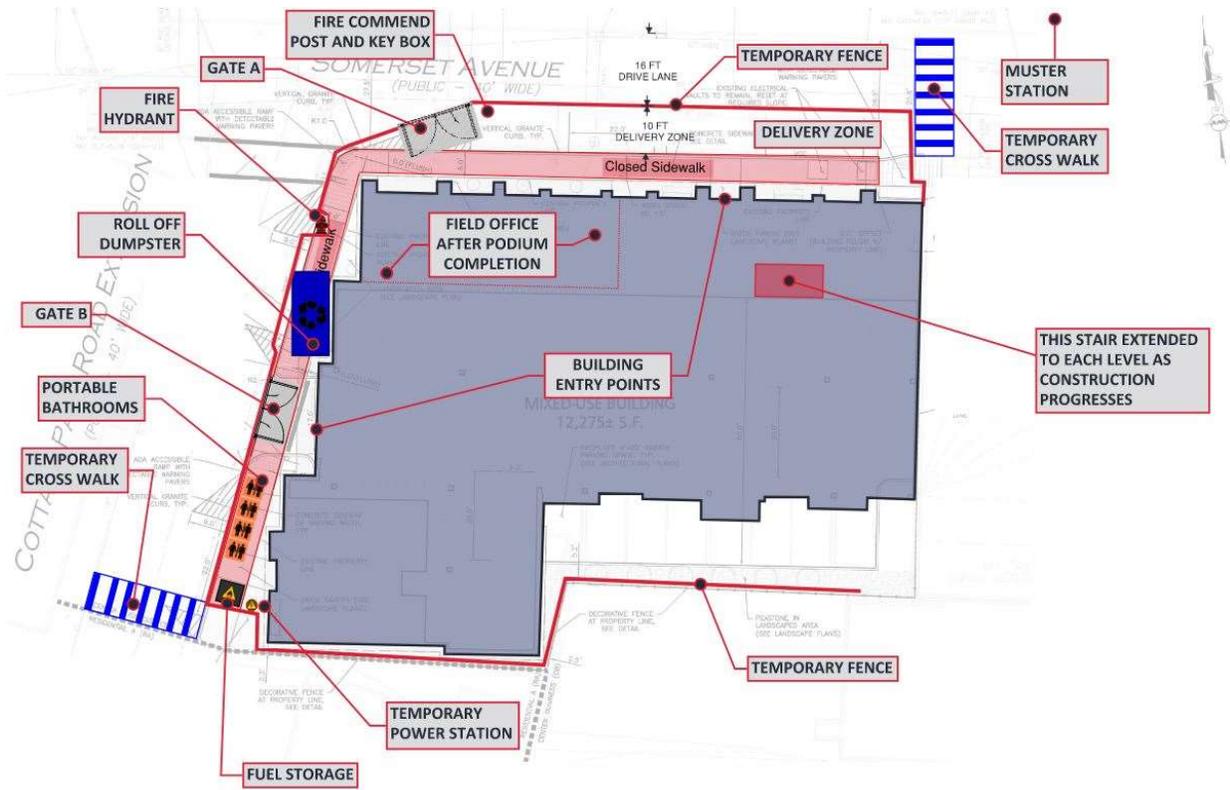
## **Vibration Monitoring**

Vibration monitoring may be used during specific phases of construction. A monitoring service has been contracted to monitor vibrations during the Rigid Inclusion installation phase.

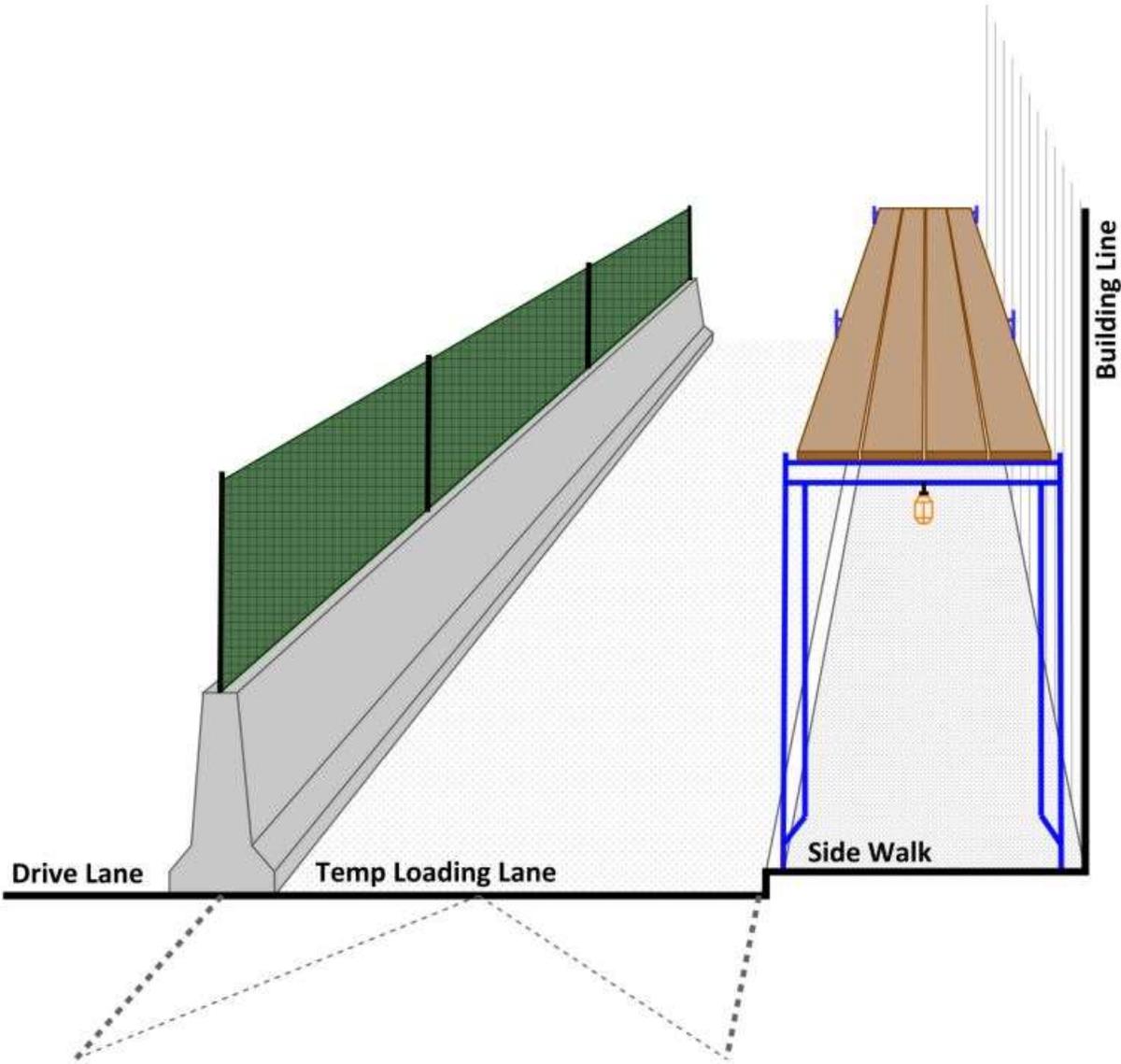
## **Preconstruction Surveys**

Preconstruction surveys will be conducted on all abutting properties with the owners consent. All properties within 100 feet of the proposed structure will be surveyed with photos and videos taken of all existing conditions prior to the start of any work onsite.

# Exhibit A – Logistics Plan



# Exhibit B – Loading Lane and Sidewalk Detail



# Exhibit C –Site Signage



72" x 34" - Banner



## Typical Construction Entrance Signage



## Typical Rules Board and Wayfinding Signage

# Exhibit D – Dust Control Plan

## Dust Control Pre-Demolition / Construction

### **Demolition Phase**

Concrete slabs and footings will be demolished and removed. Asphalt will be scraped, broken up and removed off site. During this process dust will be produced from the concrete and newly exposed soils.

### **Precautions:**

Water will be used to wet down the area that is being demolished prior to starting the demolition. During the demolition process a water spray will be used to minimize the dust emissions. The ground will be sprayed with water either by automatic sprinklers or some type of water spray to minimize dust particulate emissions from haul trucks and demolition equipment.

During the loading of the trucks with demolition debris a water spray will be used to minimize dust emissions. The trucks will have tarpaulins installed to cover their loads prior to leaving the site to ensure there are no emissions while the trucks are in transit. The streets will be wet swept daily and as needed with a sweeping attachment on a machine.

### **Construction Phase:**

The construction phase will consist of erecting two, three story apartment buildings. The foundations will be excavated to the appropriate depth which will create dust particulate emissions. Once the foundations are excavated, they will be formed and poured with concrete. The parking lots adjacent to the building will be graded and covered with an asphalt layer to minimize dust problems. All proposed grass areas will be graded, loamed and seeded to stabilize and control dust at the earliest possible time in the construction schedule.

### **Precautions:**

During the excavation for the new foundations, water sprays will be used to suppress potential dust particulate matter from the dry dusty soil and rock. The soil will be loaded into trucks and during this process water sprays will be used to keep the soil damp to minimize dust particulate emissions.

The trucks will also be covered with a tarpaulin prior to leaving the site to ensure there are no emissions during transit.

A supervisor will monitor the removal of the old concrete foundations and ensure that the water sprays are turned on as required to minimize dust particulate emissions.

A log of the dates and the water sprays are turned on and off will be maintained.

If municipal water is not available water trucks may be utilized on site

# Exhibit F – Fall Rescue Plan

## Rescue Plan – Falls from Platforms

ANSI A92.22.6.1.2.6.3

The Procopio Companies is dedicated to the protection of its employees from on-the-job injuries. All employees and sub-contractors of The Procopio Companies have the responsibility to work safely on the job. The purpose of this plan is to supplement our standard safety policy by providing safety response procedures to a fall incident.

This Fall Rescue Plan addresses the response procedures for a fall incident and the steps to be taken to limit injury and prevent a loss of life. Fall protection harnesses are designed to stop a worker from falling and impacting a surface. The fall protection harness has a serious limitation of reducing circulation to the legs of the worker resulting in Suspension trauma or “Hang Syndrome”. Suspension trauma could occur **WITHIN 15 MINUTES** of the fall resulting in loss of consciousness and eventual circulatory shock.

### IN THE EVENT OF A FALL:

- 1.) If a fall incident occurs and the workers harness did not function properly, and the worker is on the ground **CALL 911** and follow first aid instructions given by the 911 dispatcher.
- 2.) If a fall incident occurs and the worker is suspended from their harness, follow the below procedures:
  - 1) If the worker appears to be injured **CALL 911 FIRST**
  - 2) If the worker is uninjured, attempt to lower the basket via ground controls or emergency lowering valve
  - 3) If unable to lower the basket call 911 and attempt to rescue the worker with another man-lift if available. Take extreme caution when doing this to limit injury to the fallen worker along with the safety of the operator. **(ALL PPE MUST BE WORN BY THE RESCUE OPERATOR)**
  - 4) If unable to perform a rescue, wait for emergency services to arrive and direct them to the fallen worker