

# **CONSTRUCTION MANAGEMENT PLAN**

## **136-140 Worcester Street, Wellesley, Ma.**

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# Pre-Construction

The Developer and his general contractor (yet to be determined) will meet with Town of Wellesley Building Department & Town Officials to review construction procedures and to finalize all details of this CMP plan prior to any work beginning on site. Two weeks prior to mobilization of any subcontractor, the Project Manager and onsite Foreman will be required to attend a pre-construction meeting. At this meeting the subcontractor's personnel will review; along with other topics, these key project-specific items to ensure a successful project for all trades. These key specifics are as follows:

1. Subcontractor orientation of the project (work hours, truck routes, parking, etc.).
2. Specific scope of work is reviewed for content and execution.
3. The project schedule is reviewed for complete acceptance and understanding of expectations and project phasing logic.
4. Safety and housekeeping requirements.
5. A video documenting existing roadway conditions will be made before the start of any construction activities.

# Perimeter Protection/Public Safety

The Developer and his general contractor will work to ensure the staging areas minimize impact to vehicular flow. Secure fencing and barricades will be used to isolate construction areas. In addition, walkway areas near construction activities will be well marked to protect pedestrians and ensure their safety, although it is very uncommon to have pedestrians anywhere close to the property due to the poor network of sidewalks. Proper signage as required will be installed and regularly updated as site conditions change during the construction process.

The project site will have monitoring devices located throughout the site to enhance the security and provide 24-hour visual inspection capabilities.

Police detail officers, if required, will be provided to facilitate traffic flow and pedestrian safety. Construction procedures will be designed to meet all Occupational Safety and Health Administration (OSHA) safety standards for specific site construction activities.

# Safety on Site

All subcontractors working on site shall provide and maintain all safety measures, procedures and documentation as required by governing agencies. The job site will be enclosed by temporary fencing.

The general contractor will meet the Town Officials to review the proposed traffic management plan to ensure acceptance and compliance with all local jurisdiction. Prior to the start of work by any subcontractor, a Hazardous Risk Assessment Plan is reviewed. During this review, all potential hazardous work requirements and the safety plans required to mitigate these risks are identified and confirmed, and construction procedures will be designed to meet all OSHA safety standards for specific site construction activities. With the support of the Developer and his general contractor, LLC, all subcontractors will implement and manage their own Health and Safety program for the project, and all site personnel will be subject to follow the safety orientation and identification guidelines and processes established by the general contractor.

# Emergency Site Access

Access to the site for emergency vehicles will be maintained at all times. The proposed site logistic and traffic plans are designed to isolate the construction while providing safe access for both pedestrians and vehicles during normal day-to-day activities and emergencies.

# Material Handling

All construction material delivery trucks will be loaded and unloaded inside the construction fence throughout the course of the project. On-site locations will be designated for temporary storage of construction materials (storage containers, palletized shipments, etc.), but locations may change to accommodate construction phasing. Trucks and equipment will follow the designated truck route and be staged at the designated areas.

# Site Office Trailer

A site office trailer will be located on site within the area of the perimeter fencing.

# Portable Sanitary Facilities

Portable sanitary facilities will be provided on-site as required by applicable codes at locations appropriate to the stage of construction. The facilities will be maintained on a regular basis to prevent off-site odor migration.

# Street Cleaning

Street cleaning will take place daily, or as required, for Route 9. (See Dust Control and Snow Removal sections for more detailed information).

# Dust Control

Construction activities generate fugitive dust that will result in localized increases in air-borne particulate levels. To reduce emissions of dust and minimize impacts on the local environment, strictly-enforced mitigation measures will be employed, including:

1. Wetting agents will be used regularly to control and suppress dust that may come from construction activities;
2. Trucks used for the transportation of construction debris will be covered before exiting the project site.
3. Streets will be regularly cleaned using mechanical street-sweepers to minimize accumulations;
4. Trucks will be required to use construction entrances to minimize off-site tracking prior to entering public streets;
5. Materials stored on site for more than two weeks will have tarps or other approved measures to reduce wind-blow dust potential.

# Snow Removal

The Developer will be responsible for removing snow from all work site areas, including all public sidewalks affected by this project. This will be done daily and continuously to ensure that all sidewalks are clear of snow and ice. Under no condition will the removed snow be disposed of on public property.

## **Site Signage**

Signage will direct pedestrians around the site, as well as direct truck traffic and deliveries. The construction site will have a sign indicating the name of the General Contractor and its contact information, including phone number and email address. This sign will be clearly visible to enable the public to call with any questions or concerns.

## **Abutter Coordination**

All immediate abutting properties will be notified to explain the project phasing and to discuss any anticipated impacts due to the planned construction. Immediate abutters will be given updates on progress and expectations for construction activities as the project progresses. During construction there will be management staff on-site and available for assistance. The phone number and email address for the General Contractor will be posted on-site and provided to immediate abutters.

## **Material Handling/Construction Waste**

The Developer and its general contractor will take an active role when it comes to the processing and recycling of construction waste and will have a Construction Waste Management Plan (CWMP) in place for the project. The CWMP will require the general contractor to contract with a licensed waste hauler having off-site sorting capabilities. All construction debris will be taken off site by the hauler, sorted and sent to the proper recycling center or waste facility. All construction debris will be wetted and covered to minimize air-borne dust particles. The site area will be policed to pick up any debris that made blow off site during the construction activities, and to generally maintain a clean work environment.

It is anticipated that on-site refueling of machinery will be required during site development. Fuel will also likely be needed for temporary heat on the interior of the buildings and/or exterior façade. All necessary on-site refueling permits and permits/inspections from the plumbing inspector and fire department will be obtained by the site contractor prior to commencing site development activities.

## **Dumpster Location and Loading**

Dumpsters will be located within the construction staging area, will be secured with odor and dust-control measures, and will have proper Fire Department permits. Loading and unloading of the dumpsters will take place within the fenced area. Dumpster pick-ups will be done during normal construction hours and will avoid peak traffic periods.

## **Utility Connections**

There will be multiple utility connections on this project, all located onsite. All utility connections will occur during daytime off-peak hours and will require coordination with each respective utility company, as well as the Town of Wellesley Engineering Division and Water and Sewer Department.

Trenches will be secured and suitably protected so as to not present a hazard to vehicles or pedestrians. Road closures and street-opening permits will be submitted for approval prior to the start of each task.

All right-of-way utility work will conform to the Wellesley Department of Public Works utility standards and moratorium dates, respectively, and as indicated by the Town of Wellesley.

## **Truck Movements During Construction**

Trucks are needed for material removal and delivery from and to the site as the project proceeds. Construction of the project is expected to generate an average of 3 trucks per day for the entire construction period, however truck traffic related to this construction site will vary throughout the construction period with a maximum of approximately 10 trucks per day. Construction contracts will include provisions restricting truck travel to approved routes. The designated truck route will use Route 9 and will expressly prohibit the use of residential roadways other than for delivery trucks that may also be making a local delivery.

During time of needed heavy truck use, measures will be employed to prevent queuing trucks on the adjacent roadways. This will be accomplished by staggering truck arrival times and coordinating and or using off site staging areas. The impact of construction trucks in the evening peak hour is expected to be insignificant because most deliveries are completed prior to the end of the typical work day (6:00 P.M.).

Trucks coming to and from the site are required to use major arterial roadways or highways and not local streets. The selection of proposed truck routes is based on the following criteria:

1. Minimizing truck activity in the residential neighborhoods;
2. Designating specific roads where trucks are permitted; and
3. Providing access to and from the major arteries (e.g. Routes 9 and 95).

Trucks accessing the site will follow the following routes:

### **From Interstate 95:**

Take Exit 20B from Interstate 95 NB or SB;  
Turn onto Route 9 – Worcester Street and make a u-turn at Cedar Street;  
Turn right into project site;

### **To Interstate 95:**

Exit site turn right onto Worcester Street (Route 9);  
Turn onto Interstate 95 northbound or southbound.

The designated truck route will expressly prohibit the use of residential roadways other than for delivery trucks that may also be making a local delivery.

A detailed Truck Routing Plan and the individual truck maneuvers for entering and exiting the site will be provided to all site subcontractors.

# Construction Employee Trip Generation

This site can accommodate on-site parking for many of the anticipated sub-contractors. Even so, workers will be encouraged to use one of the many transit options and to carpool. The developer will also require subcontractors to provide sufficient and secure storage areas for workers' equipment to facilitate use of public transportation. Some workers may decide to carpool, thus lessening the number of vehicles coming into the area. In addition, construction workers generally travel before the morning peak hour, lessening the impact that these workers will have on the adjacent street network during the morning and evening peak hours.

## Construction Worker and Staff Parking

On-site parking by construction laborers will be controlled by the general contractor. Any personal vehicles will be restricted from parking on neighboring streets (e.g. Dearborn) so as to reduce the impact of residential parking. Due to parking restrictions, employees will be encouraged to use carpooling, public parking and public transportation.

## Noise and Odor Control

It is recognized that the site is located in proximity to the Sun Life Financial Office Complex as well as the Harvard Pilgrim Health Care Complex. There currently exists significant ambient noise from the 43,840 vehicle trips per day on the adjacent Worcester Street (Rte. 9) four-lane highway, with expected noise from site construction adding an undetectable level during portions of the construction on site.

Nevertheless, an effort will be made to minimize the noise impact of the project's construction activities. Mitigation measures to be undertaken will include:

1. Using mufflers on equipment and ongoing maintenance of intake and exhaust mufflers.
2. Use of low sulfur fuels.
3. Using less noisy construction operations and techniques where feasible (e.g., mixing concrete off-site instead of on-site).
4. Scheduling equipment operations to keep average levels low, to synchronize noisiest operations with times of highest ambient levels, and to maintain relatively uniform noise levels.
5. Turning off idling equipment.
6. Utilizing saw-cutting methods in lieu of jack-hammering where feasible.
7. Use of a mobile crane for steel erection will reduce street noise associated with truck-mounted equipment, where practical. Possible only off-hours loading of the project to reduce traffic during the day. All off-hour work will be per the Town of Wellesley requirements, and permitted as required.

## Blasting

All blasting and drilling shall be carried out in accordance with federal, state, and local blasting permit practices. It is not expected that blasting will be necessary for this site.

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# On-site Dewatering

Site dewatering is expected to be limited and will be in accordance with the applicable Stormwater Pollution Prevention Plan (SWPPP) or National Pollutant Discharge Elimination System (NPDES) requirements for sedimentation control. Groundwater levels will be monitored during the construction process.

# Trees and Plantings

Specimen trees to be removed from the site, and any manner of treatment of trees within the public way abutting the site, will be reviewed with the Town Conservation Agent/Tree Warden. Any tree removals and replacement trees will be reviewed with the Town Conservation Agent/Tree Warden per requirements.

# Construction Hours

Construction hours will be from 7:00 AM to 6:00 PM, Monday through Friday, and 8:00 AM to 4:00 PM Saturday, except for legal holidays. After hours or holiday work will be performed only with required permits. Generally, the majority of worksite workers will have departed before evening traffic periods.

# Emergency Contacts

A 24-hour emergency contact list will be provided to all parties involved in the project prior to the start of construction and maintained throughout construction.

**TBD**

**Contact: General Contractor TBD**

# Special Conditions

1. Community Outreach: The Applicant and general contractor will provide notices and updates on progress and upcoming expectations for the construction activities. At all times during construction activity there will be management staff on site and available for assistance. Proper 24-hour emergency contacts and information will be provided.
2. The general contractor will replace, in kind, any pavement markings, signage, loop detectors and/or other traffic signal control equipment that may be damaged as part of the construction activities.
3. All local, state and federal laws governing the work will be strictly adhered to at all times.
4. Access to the adjacent car wash during demolition will be provided.
5. Possible hazmat conditions may be present within the existing conditions, and permitting would be required.