

Construction Management and Mitigation Plan (CMMP)

For Construction Activities At:

Mixed Use Development
15 Madbury Road & 8 Mathes Terrace
Durham, NH 03824

CMMP Prepared For:

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Appendix A – Site Logistics Plan

Demolition Plan

Work Plans

SECTION 1: CONTACT INFORMATION/RESPONSIBLE PARTIES

1.1 *Project Management*

General Contractor:

Company: Pending
Contact:
Address
City, State, Zip Code:
Telephone Number:
Fax/Email:
Area of control (if more than one operator at site):

Subcontractor(s):

Company or Organization Name: Pending
Name:
Address:
City, State, Zip Code:
Telephone Number:
Fax/Email:
Area of control (if more than one operator at site):

Company or Organization Name: Pending
Name:
Address:
City, State, Zip Code:
Telephone Number:
Fax/Email:
Area of control (if more than one operator at site):

1.2 *Construction Manager*

Position:
Name: Pending
Telephone Number:
Email:

1.3 *Civil Engineer of Record*

Position: Civil Engineer
Name: Michael J. Sievert, MJS Engineering, PC
Telephone Number: 603-659-4979
Email: mikesievert@mjs-engineering.com

SECTION 2: INTRODUCTION

This document outlines a Construction Management and Mitigation Plan for the demolition of the existing buildings and the construction of the mixed-use development at 15 Madbury Road and 8 Mathes Terrace and associated utility improvements. The contents of this document include a brief description of the project, construction operations, management of stormwater best management practices and erosion controls, pollution prevention, and traffic and parking management.

2.1 Project Description

The project consists of the construction of a three story 22,500 square foot mixed use building on two downtown lots which have a total area of approximately 15,000 square feet. The building includes 4100 square feet of commercial space on the first floor, covered parking for 8 vehicles and two floors of Student Housing with 16 residential units. The two lots are improved with a residential structure(s) that will be demolished. New municipal water, sewer and gas service will be constructed for the project along with an extensive stormwater collection system.

SECTION 3: COMPLIANCE WITH OTHER LOCAL, STATE & FEDERAL REQUIREMENTS

This project requires permits from several local, state and federal agencies. The following permits will be required for this project;

Permitting Authority	Permit/Approval Type	Permit Number/Approval Date
NHDES Wastewater Engineering Bureau	Sewer Connection Permit	
Town of Durham Planning Board	Site Plan Approval/Conditional use Approval	
Town of Durham DPW	Sewer Connection Permit	

All work completed for this project shall be in accordance with the CMMP and all other permits and approvals. All conflicts shall be brought to the attention of the Construction Manager (CM) and Civil Engineer of Record (CER). For general purposes the more stringent regulation shall apply.

SECTION 4: CONSTRUCTION OPERATIONS

The overall site construction and utility improvements are detailed on the site plans prepared by MJS Engineering. Additional construction operations and site management are listed in this report. The Site Logistics Plan and Demolition Plan in Appendix A gives a visual indication of the overall construction sequence and timing of work. The work plans detail the means and methods of specific offsite utility construction.

4.1 Project Mobilization and Duration

The intent is to mobilize on site immediately after final Town approval and the issuance of a building permit. Prior to beginning any site construction there shall be a pre-construction meeting on the site with all parties. The expected overall construction schedule will be 12 months in duration. The estimated start of construction is spring, 2014 and the estimated end of construction is May, 2015. The existing house on the lot fronting on Madbury Road is currently vacant and may be demolished early in the construction project to provide access to the site directly from Madbury Road. This will also provide a location on site for staging and truck loading. All construction traffic will be minimized on Mathes Terrace. Any construction access and all utility construction within Mathes Terrace will be performed with adequate notice to the neighbors and scheduled as much as possible when the adjacent business are closed.

4.2 General Project Sequence

Demolition will be completed in 2 phases. The existing residential building fronting on Madbury Road will be removed first to provide access and staging area for the construction site from Madbury Road. The existing residential building and other existing site improvements at 8 Mathes Terrace on the rear of the site will then be removed as phase 2 by staging on the easterly side of the site. All material will be loaded from the site and trucked out through the front to Madbury Road. The site will then be generally leveled and stabilized.

Piles will then be driven for the support of the proposed structure. Offsite drainage outlets will be investigated to make sure there are no conflicts, then the site drainage infrastructure and the building foundations will be constructed next beginning from the rear of the site (west) and proceeding towards Madbury Road. Once the foundation is constructed, the offsite utilities will be constructed to the site.

The building structure will be constructed beginning from the rear of the site (west) and proceeding towards Madbury Road. The two sections of the structure may be constructed at different stages by completing part or all of the rear section first to allow better crane access. The building walls will be prefabricated off-site, delivered to the site and placed with a crane. The floor and roof systems will be wood trusses set in-place with the crane.

4.3 Offsite Utility Construction

All offsite utility construction will be set up in accordance with the requirements of section 7.4.

Management of vehicle and pedestrian traffic will be coordinated with Town officials and in accordance with section 7.5.

All work will be in accordance with the plans and details as stated on the approved plan. (Also, refer to the specific work plans in this report). The construction work shall progress from the lowest to the highest elevation towards the site. The utility trenches shall be excavated in short lengths adequate for installation of the standard lengths of pipe and in accordance with the manufacturers recommendations. The trenches shall be backfilled in accordance with the construction details shown on the approved plans. The testing of constructed utilities shall be performed prior to final paving or grading. All utility trenches shall be backfilled to match the surrounding grade to provide a safe usable transition. The last 12 " of the trench shall be select gravel material for use at the end of each day by vehicle and pedestrian traffic.

Access by vehicles and pedestrians shall be maintained through or around the site construction at all times. No driveways or roads shall be blocked without providing alternate routes or leaving half of the access open for travel.

Utility construction on Mathes Terrace shall be performed on Saturdays or other hours when the adjacent business are closed.

4.4 Hours of Construction

The construction project will operate as follows:

Regular work week - Monday through Friday, between the hours of 7:00 AM and 6:00PM.

Saturday work – Between the hours of 7:00 AM and 6:00PM.

Inside Work only – no limitations.

Sundays – No Work Allowed.

Holidays – No work Allowed.

UNH Graduation Day – No work allowed

4.5 Site Security

Continuous chain link fencing will be installed around the entire site. All fencing will be 8' tall. Removable fencing will be used to allow work to be completed at the site edges as necessary. Construction access gates are identified on the current Site Logistics Plan and Demolition Plan and will be used for site access and deliveries.

Construction access gates will be placed at the locations of existing fire hydrants, if applicable.

Appropriate construction signage will be posted at the site indicating "NO TRESPASSING", Hard Hat Requirements, Authorized Personnel Only, and Visitor and delivery information.

"Way Finding" signage will be installed at appropriate locations and coordinated with the Owner if required.

Security cameras may be installed to monitor the site for safety, security and construction progress.

4.6 Site Lighting

The existing pole lighting around the perimeter of the construction site (street lighting) will remain in place during construction. Any additional lighting as required will be placed on the structures on the site and will be

wall pack lighting. We do not anticipate the need for any additional onsite lighting beyond egress lighting at the construction trailer/office.

4.7 Site Safety

The general contractor will be required to have a comprehensive safety program and a strong commitment to safety through a formal Safety and Health Program that demands a safe and healthy workplace for all employees, subcontractors, clients, and site visitors. The project will be managed in accordance with this Program.

We will install a manual dry standpipe system, which will be installed concurrently with the wood framing and shall be available to the Town FD during construction as required by code.

4.8 Noise Control

All activity will be prohibited on site after normal working hours. Deliveries will be limited to between 7am and 4pm to the extent possible. Deliveries will also be scheduled as much as possible during non-work hours of the adjacent business on Mathes Terrace. Prior arrangements will be made with proper notice if earlier or later deliveries will be more convenient with the adjacent business. Equipment will not be allowed to start up prior to the project's working hours. Whenever possible, we will schedule the more noise intense activities for less intrusive times such as midmorning to mid-afternoon or when the adjacent businesses are closed. Saturday work hours can be used if that is determined to be more appropriate for some construction activities.

SECTION 5: STORMWATER SYSTEMS & EROSION AND SEDIMENT CONTROLS

5.1 Temporary Best Management Practices

5.1.1 Perimeter Control

Sediment controls are structural measures that are intended to complement and enhance the selected soil stabilization (erosion control) measures and reduce sediment discharges from construction areas. Sediment controls are designed to intercept and settle out soil particles that have been detached and transported by the force of water. This project will incorporate temporary sediment control measures required by the contract documents, and other measures selected by the contractor.

Temporary sediment control materials, equivalent to 10% of the installed quantities used on the site, will be maintained on-site throughout the duration of the project, to allow implementation of temporary sediment controls in the event of predicted rain, and for rapid response to failures or emergencies. This includes implementation requirements for active areas and non-active areas before the onset of rain.

Locations of temporary sediment control BMPs are shown on the Construction Plans. Silt sock will be used as the perimeter control during construction. These tubes are placed as shown in the construction plans prior to any soil disturbance on the site and maintained in accordance with the manufacturers requirements throughout construction. The tubes are removed once the development site has achieved greater than 75% stabilization. Bare soil areas resulting from the removal of the tubes are revegetated. Alternatively, the tubes can be slit along the top and the mulch/compost distributed to either side. The tube material is then removed and disposed of in a normal trash container used by the contractor.

The silt sock shall be in a functional condition at all times and it shall be routinely inspected. If the silt sock has been damaged, it shall be repaired, or replaced if beyond repair. Remove sediment before it has accumulated to one-half of the above ground height of the silt sock.

5.1.2 Sediment Track-Out

A stabilized construction entrance shall be constructed in the location(s) shown on the Construction Plans to minimize the track-out of sediment onto off-site streets, other paved areas, and sidewalks from vehicles exiting the construction site. If sediment has been tracked out from the site onto the public way it must also be removed by the end of the same work day in which the track-out occurs or by the end of the next work day if track-out occurs on a non-work day. The track-out material will be removed by sweeping, shoveling, or vacuuming these surfaces, or by using other similarly effective means of sediment removal. At a minimum, sweeping shall take place at the end of each work day during construction. Hosing or sweeping of tracked-out sediment into any stormwater conveyance is prohibited (unless it is connected to a sediment basin, sediment trap, or similarly effective control), storm drain inlet, or surface water.

5.1.3 Stockpiled Sediment or Soil

Stockpiles will be minimized on the site. If necessary on a temporary basis, the soil shall be stabilized or covered, protected with silt sock and placed in a location to minimize exposure to up gradient storm water runoff. Cover active stockpiles with anchored protective covering prior to expected storm events. Inactive stockpiles shall not remain onsite. Stockpiles that are a source of dust shall be covered. If temporary daily stockpiles are required, they shall be placed in the locations shown on the plans and shall be located a minimum of 50 feet from ditches, culvert inlets and wetlands. Refer to silt sock specification for installation requirements. Do not hose down or sweep soil or sediment accumulated on pavement or other impervious surfaces into any stormwater conveyance (unless connected to a sediment basin, sediment trap, or similarly effective control), storm drain inlet, or surface water.

5.1.4 Dust Control

Dust shall be controlled on site during construction by implementing various dust control measures to prevent blowing and movement of dust from exposed soil surfaces. The following dust control measures shall be implemented as necessary on site during construction;

- Use temporary and permanent mulching and vegetative cover to minimize dust.
- Use mechanical sweepers on paved surfaces including town streets as necessary, and as directed by the Town.
- Use a hose to spray water, as necessary, or utilize calcium to control dust.
- Cover surfaces with crushed stone or coarse gravel.
- Complaints will be responded to immediately.

5.1.5 Minimize the Disturbance of soil surfaces

The following temporary practices shall be employed to improve the resistance of bare soil to erosion.

- Mulch with weed free straw/hay.
- Spray on liquid tackifier.
- Placement of erosion control blankets.

All exposed soils that have received controls shall be inspected daily and after storm events exceeding 0.25 inches in a 24 hour period. Repairs shall be completed as necessary.

5.1.6 Storm Drain Inlets

This project will use the Siltsack™ or equal which is to be installed at all catch basin frame/grate openings receiving runoff from the site. The Siltsack™ is placed in the opening of the catch basin and functions as a filter. Maintenance of this shall be in compliance with the manufacturers requirements. The Siltsack™ shall be emptied once filled to 2/3 capacity, rinsed to release all fines, and reinstalled back in the catch basin. Care shall be taken to prevent puncture of the filter. A Siltsack™ showing signs of any tears, rips, or punctures shall be immediately repaired or replaced with a new Siltsack™.

5.1.7 Sediment Basins

A sediment basin will be constructed as necessary on the front of the site prior to rough grading the site. The basin will be temporary and relocated as required during construction.

The sediment basin shall be kept in effective operating condition and accumulated sediment removed to maintain at least 1/2 of the design capacity of the sediment basin at all times. Prior to construction of the raingarden, if the sediment basin is in that location, all sediment and material shall be removed from the bottom of the sediment basin to a minimum depth of 1 foot below the bottom elevation.

5.1.8 Dewatering Practices

If during construction, site conditions dictate the need for dewatering, water will be pumped to a Dirt Bag™ or equal type of sediment removal system prior to discharge. Alternate systems must be approved by the CER. Water from dewatering practices may be required to be removed from the site using a pump truck and disposal at an off site location.

5.1.9 Concrete Washout

Concrete trucks will not be allowed to wash out or discharge surplus concrete or drum wash water on site to uncontrolled areas. If a controlled area or container is not provided, concrete trucks will be required to return excess material back to the plant and to wash out the drum at the plant. The designated washout locations will be established away from sensitive locations and will be stabilized. The concrete subcontractors may utilize concrete dumpsters with sand. The dumpsters will be removed when required and hauled off site.

5.1.10 Site Stabilization

Site Stabilization Practice shall be in accordance with the plans as detailed on sheet C4.

SECTION 6: POLLUTION PREVENTION STANDARDS

6.1 Spill Prevention and Response

The CM is responsible for the proper clean up of any accidental spills or leaks on site during construction. The necessary equipment and materials needed in the event of a spill or leak shall be kept on site. Do not clean surfaces or spills by hosing the area down. Containment, removal, and reporting of the spill shall be in conformance with all local, state and federal regulations. All spills shall be reported to the Town of Durham.

6.2 Fueling and Maintenance of Equipment or Vehicles

Fueling of construction equipment will occur on paved surfaces. A spill kit will be available during the refueling process. Fueling shall not be performed adjacent to surface water or stormwater collection BMP's. Refer to Section 6.1 Spill Prevention and response for additional information.

6.3 Washing of Equipment and Vehicles

All discharges from equipment or vehicle washing shall be collected in a filtration device such as a filter bag.

6.4 Storage, Handling, and Disposal of Construction Products, Materials, and Wastes

6.4.1 Building Products

Building products include but are not limited to asphalt sealants, adhesives, flashing, roofing materials and concrete admixtures shall be covered with plastic sheeting to prevent contact with rainwater or properly stored in enclosed containers.

6.4.2 Establish Proper Building Material Staging Area

Construction equipment and maintenance materials will be stored at the combined staging area and materials storage areas. Silt sock or other erosion control measure will be installed around the perimeter to designate the staging and materials storage area. A watertight shipping container or lockable tool box will be used to store hand tools, small parts, and other construction materials. Refer to Site Logistics Plan

Nonhazardous building material such as packaging material (wood, glass, plastic) and construction scrap material (brick, wood, steel, metal scraps, and pipe cuttings) will be stored in a separate covered storage facility adjacent to the shipping container. All hazardous waste materials such as oil filters, petroleum products, paint and equipment fluids will be stored in structurally sound and sealed containers under cover within the hazardous material storage area. Very large items, such as framing materials and stockpiled lumber, will be stored in the open in the material storage area. Such material shall be elevated on wood blocks to minimize contact with runoff. The material storage area will be installed after demolition and grading and prior to the construction of infrastructure at the site. The storage area will be inspected weekly and after storm events. The storage area will be kept clean and organized with proper functioning containment controls.

6.4.3 Pesticides, Herbicides, Insecticides, Fertilizers, and Landscape Materials

Pesticides, herbicides, insecticides, fertilizers, and landscape materials shall be covered with plastic sheeting to prevent contact with rainwater. Comply with all application and disposal requirements included on the registered pesticide, herbicide, insecticide, and fertilizer label.

6.4.4 Diesel Fuel, Oil, Hydraulic Fluids, Other Petroleum Products, and Other Chemicals

Chemicals shall be stored in water-tight containers, and covered with plastic sheeting or in storage bins to prevent these containers from coming into contact with rainwater. Spill kits shall be available in the event of a spill. Clean up spills immediately, using dry clean-up methods where possible, and dispose of used materials properly. Do not clean surfaces or spills by hosing the area down. Eliminate the source of the spill to prevent a discharge or a continuation of an ongoing discharge.

6.4.5 Hazardous or Toxic Waste

Hazardous or toxic waste including but not limited to solvents, paints, and petroleum based products shall be stored in sealed containers, which are constructed of suitable materials to prevent leakage and corrosion, and which are labeled in accordance with applicable Resource Conservation and Recovery Act (RCRA) requirements and all other applicable federal, state, tribal, or local requirements. Containers shall be stored in a covered areas and a spill kit shall be available on site. Dispose of hazardous or toxic waste in accordance with the manufacturer's recommended method of disposal and in compliance with federal, state, tribal, and local requirements. Clean up spills immediately, using dry clean-up methods where possible, and dispose of used materials properly. Do not clean surfaces or spills by hosing the area down. Eliminate the source of the spill to prevent a discharge or a furtherance of an ongoing discharge.

6.4.6 Construction and Domestic Waste.

All waste materials shall be recycled or collected and stored in secure metal dumpsters rented from a licensed solid waste management company in The State of New Hampshire. The dumpsters shall meet all local and state solid waste management regulations. All trash and construction debris generated on site shall be disposed of in the dumpsters. The dumpsters shall be emptied as often as necessary during construction and transferred to an approved solid waste facility licensed to accept municipal solid waste and/or construction and demolition debris. No construction waste shall be buried on site. All personnel shall be instructed regarding the correct procedure for waste disposal.

6.4.7 Sanitary Waste

Provide a sufficient number of portable toilets and position portable toilets so that they are secure and will not be tipped or knocked over. Refer to Site Logistics Plan.

6.4.8 Washing of Applicators and Containers used for Paint, or Other Materials

Direct all washwater into a leak-proof container or leak-proof pit. The container or pit must be designed so that no overflows can occur due to inadequate sizing or precipitation. Locate pit or container a minimum of 50' from surface waters and stormwater inlets or conveyances, and, to the extent practicable, designate areas to be used for these activities and conduct such activities only in these areas. Do not dump liquid wastes in storm sewers.

6.5 Fertilizers

Fertilizer shall be applied during the planting of temporary or permanent vegetation at a rate consistent with manufacturer's specifications and those noted in the Construction Plans. To the extent practicable, fertilizer shall be applied to coincide as closely as possible to the period of maximum vegetation uptake and growth. Avoid applying before heavy rains that could cause excess nutrients to be discharged to surface waters. Never apply to frozen ground or to stormwater conveyance channels with flowing water. Follow all other federal, state, and local requirements regarding fertilizer application.

SECTION 7: CONSTRUCTION TRAFFIC AND PARKING MANAGEMENT PLAN

7.1 Objectives

To address traffic issues arising from construction of the project and to establish general guidelines and standards that address the issues. A fine system and ultimate termination of a construction contract will be used to control access and parking at the site.

7.2 Site Access and Deliveries

The construction manager will maintain one (1) entrance to the site from Madbury Road and (2) entrances at the rear of the property from Mathes Terrace. These gates will be labeled with signs to notify contractors, vendors and the public how to access the site. All construction material deliveries will access the site at the construction entrance on Madbury Road, unless prior arrangements have been made. The rear gate(s) will be used for the site supervisor and the onsite parking once the parking area has been completed. Smaller products may be delivered to the rear gate for storage in the covered parking area as the project progresses.

Construction gates will be chained and locked during non-working hours. Fire Department key boxes (locks) will be located at each gate and accessible to the Durham Police and Fire Departments.

Deliveries will be scheduled between the hours of 7:00AM and 4:00PM to avoid impact on traffic. Additional delivery times coincident with non working hours of adjacent business will be used as much as possible to minimize the conflicts with customers of the business.

Major deliveries will be directed to take the following routes:

- Route 4, take the Route 108 Exit onto Route 108 South, to Main St, bear right onto Madbury Rd.
- Rt.108 (from either Dover or Newmarket) to Main St, bear right onto Madbury Rd.
- Leaving the site Right onto Madbury Road to Pettee Brook Road, then left onto Main St. and out of town on Route 108

Once at the site, all major deliveries will be staged either from Madbury Road or accessing the site through the construction/site delivery access gate and unloaded on site. Material(s) shall be dumped or placed in the staging areas as shown on the site logistics plan. Trucks will also park onsite to be loaded and leave the site to dispose of surplus materials as stated above in the major deliveries section. No staging of trucks shall take place on Mathes Terrace at any time during the construction process. Only the number of trucks that can be located on site shall be brought to the site at any one time. Signs will be placed on the construction fence along Mathes Terrace that state No parking at any time. A sign will also be located at the corner of Madbury Road and Mathes Terrace to notify contractors/vendors not to enter Mathes Terrace for construction site access unless prior approval has been arranged.

An offsite parking/waiting area shall be arranged prior to beginning construction to eliminate trucks from parking on Madbury Road or Mathes Terrace. Delivery and parking instructions will be inserted in the general contractors vendor/suppliers Purchase Orders, and Trade Subcontracts that makes these expectations mandatory. Fines will be levied to vendors, suppliers and trade subcontractors if these rules are not properly followed.

7.3 Construction Parking

During the construction project, the number of workers could exceed 25. All parking will be offsite, unless there is room on site in the parking area, or at the Jackson Landing town parking lot. Construction workers will not be allowed to park on city streets. Parking will be allowed in metered parking spaces when UNH is not in session. There will be no parking on Mathes Terrace at any time during construction unless active utility installation is in progress and the parking is within the construction zone.

7.4 Utility Tie-ins/Sidewalk/Street Closures

When it is necessary to close down a sidewalk or street to perform work, the general contractor will file for the appropriate permits with the DPW and provide proper notification to the Town Police and Fire Departments.

Street Closure: For construction operations that obstruct street traffic, traffic control will be coordinated with the Town of Durham, Department of Public Works, with a 48hr (2 business days) notification. Street closures will also be coordinated with the Mathes Terrace businesses prior to beginning. At the pre-construction meeting, a general schedule will be proposed so all parties can properly plan for the closures. The schedule will be reviewed at the bi-weekly meetings throughout the project and the schedule updated and coordinated with all parties. All utility work within Mathes Terrace that requires street closure will be coordinated during days when the Mathes Terrace businesses are closed. All utility work within Madbury Road will be scheduled as necessary and with proper notice to the Town and Mathes Terrace business. Work at the intersection of Madbury Road and Mathes Terrace will be conducted in such a manner that allows one lane of traffic open to enter and exit Mathes Terrace at all times.

Sidewalk Closure: For construction operations that obstruct pedestrian traffic on public sidewalks, blockage or closure will be coordinated with the Town of Durham, Department of Public Works with a 48 hr (2 business day) notification. Proper signage, barricades and alternate routes will be installed prior to construction as required by the local codes and DPW.

Dig Safe will be notified as required. In addition, the general contractor and their Sitework Subcontractor will notify the Town once Dig Safe has marked out the site and prior to any cut and cap, or connection activities.

All on-site existing utilities to be abandoned will be cut, capped or removed according to Town standards.

The general contractor will conduct a "Pre Utility Construction/Tie-in Meeting" with appropriate contractor representatives, our Site Subcontractor, and the Town's DPW representative prior to starting any work activity in the Town Sidewalk or Street and Mathes Terrace.

- Notification of the Pre Meeting will go out a minimum of two (2) weeks in advance of the scheduled meeting. The general contractor will typically issue an agenda that is attached to this notification.
- Project plans, shop drawings, construction methods, schedules, and safety issues are reviewed during the meeting.
- Finalize and approve the Temporary Traffic/ Pedestrian Control Plan for both Streets.
- Finalize and approve the final Detour and Signage Plans for the Street.

Temporary barriers, or barrels, signs, and uniformed officers will be used to manage pedestrian and traffic control.

The site contractor will supply the general contractor with red line drawings on a monthly basis during construction to be maintained at the field office. Final "As Built" drawings will be supplied to general contractor at the end of the project. These will be presented to the Town on a CD at the completion of the project.

7.5 Traffic/Sidewalk Management

The general contractor will provide adequate personnel, signs, barricades and equipment to properly regulate traffic at times when the work interferes with the normal flow of traffic on Town streets and Mathes Terrace. This will be done in accordance with the Manual of Uniform Traffic Control Devices (MUTCD) and performed according to NHDOT construction standards, as described in detail on Civil Drawings. All roadwork will have a traffic management plan, which includes pedestrian detours, that will be reviewed and approved by the DPW, prior to working in the street. Any modification to sidewalks to accommodate the construction process shall comply with ADA requirements.

Signage will be placed on Mathes Terrace to direct safe pedestrian traffic during the construction project. Any work completed in Mathes Terrace will address the pedestrian traffic if this work changes the established route.

7.6 Temporary Facilities

Temporary Field Office Trailer(s) will be set up on the construction project site. All field office(s) will be equipped with power, telephone, computers, and fax. Visitor parking areas will be designated.

Emergency vehicle areas will be designated.

7.7 Materials Handling

Materials handling will be predominantly by forklift/lulls and mobile cranes operating generally throughout the site. The Site Logistics Plan shows circular areas designated for crane operation. Should any out of hours deliveries be required this will be handled within the site and be coordinated with the proper authorities prior to the delivery.

7.8 Signage

The Construction Manager will be responsible for providing the external directional signage & on-site signage regarding traffic management and the updating and maintenance of the signs as required. On-site signage will be used to ensure drivers use appropriate routes through the site and to and from the site access points.

SECTION 8: INSPECTION AND CORRECTIVE ACTION

8.1 Inspection Personnel and Procedures

The CM or qualified designee will perform routine and detailed inspections of the site during construction. These inspections shall assess conditions at the construction site covered in the CMMP including but not limited to; pollution prevention, stormwater quality impacts, noise and vibration management, traffic and parking management and deliveries to the site.

8.2 Inspection Frequency

At a minimum, inspections will be completed at the following frequency:

- Daily for traffic and parking management and deliveries
- Once every 7 calendar days; and
- Within 24 hours of the occurrence of a storm event of 0.25 inches or greater.

The frequency of inspections will be reduced to once per month for stabilized areas of the site. If construction activity resumes in this portion of the site at a later date, the inspection frequency immediately increases to that required above.

If the contractor is suspending earth-disturbing activities due to frozen conditions, the contractor may temporarily suspend inspections on the site until thawing conditions begin to occur if:

- Runoff is unlikely due to continuous frozen conditions that are likely to continue at your site for at least 3 months. If unexpected weather conditions (such as above freezing temperatures or rain on snow events) make discharges likely, you must immediately resume your regular inspection frequency as described above.
- Land disturbances have been suspended; and
- All disturbed areas of the site have been temporarily or permanently stabilized.

8.3 Areas to be Inspected

During the site inspection, the following areas must be inspected:

- All areas that have been cleared, graded, or excavated and are not yet stabilized;

- All stormwater controls (including pollution prevention measures) installed at the site;
- Material, waste, borrow, or equipment storage and maintenance areas;
- All areas where stormwater typically flows within and off the site, including drainageways designed to divert, convey, and/or treat stormwater;
- All locations where stabilization measures have been implemented;
- Temporary fencing and gates;
- Parking areas and access ways.

8.4 Requirements for Inspections

During the site inspection, the inspector must at a minimum:

- Check whether all erosion and sediment controls and pollution prevention controls are installed, appear to be operational, and are working as intended to minimize pollutant discharges. Determine if any controls need to be replaced, repaired, or maintained.
- Check for the presence of conditions that could lead to spills, leaks, or other accumulations of pollutants on the site;
- Identify any locations where new or modified stormwater controls are necessary;
- At points of discharge and, if applicable, the banks of any surface waters flowing within your property boundaries or immediately adjacent to your property, check for signs of visible erosion and sedimentation (i.e., sediment deposits) that have occurred and are attributable to the construction work, and;
- Confirm that the site is in conformance with the proposed traffic and parking plan;
- Identify any incidents of excessive noise from construction equipment;
- Identify any and all incidents of noncompliance observed.

8.5 Inspection Reports

The inspector must complete an inspection report documenting each site inspection. The general contractor is required to keep a current copy of all inspection reports at the site. The Site Logistics Plan shall be updated accordingly if changes to the site staging layout are necessary during construction. The traffic and parking management shall be updated to include any changes to the site access points, parking area locations, variations to traffic management, and sign details. All updates to the CMMP shall be provided to the site supervisor, and Town officials as necessary to keep everyone informed of the changes in management conditions.

8.6 Corrective Actions

Corrective actions are actions the general contractor/owner take to:

- Repair, modify, or replace any stormwater control used at the site;
- Clean up and properly dispose of spills, releases, or other deposits;
- Implement noise reduction measures;
- Address safety or operational incidents.
- Assess fines and dismissal of contractors in violation of the CMMP

8.7 Corrective Action Reports

For each corrective action the inspector must complete a corrective action report. The general contractor is required to keep a current copy of all inspection reports at the site. The report must contain the following:

- The nature of the condition identified; and
- The date and time of the condition identified;
- The nature of the corrective action implemented.

SECTION 9: MISCELLANEOUS PROCEDURES/ENFORCEMENT

9.1 Construction Management Meetings

On a bi-weekly basis, a construction management meeting shall be held on site on Thursday mornings at 9am. The meeting shall be run by the construction manager/clerk of the works. A representative from the General Contractor shall be in attendance, as well as representatives from any subcontractor required by the construction manager/clerk of the works. Town officials from DPW, Fire, Police, Planning and any other departments are invited to attend and participate at their discretion. The purpose of the construction management meetings is to gauge construction progress, identify any existing or potential problems with construction and establish solutions as necessary.

9.2 Modification/Amendment/Review

This CMMP is subject to review by the Town Planner at six week intervals, at which time the Town Planner shall have the discretion to modify or amend this CMMP as events warrant.

9.3 Ratification by General Contractor

The Owner shall be obligated to have the General Contractor ratify this CMMP and acknowledge the General Contractor's responsibility for operational compliance with this CMMP. Nothing herein shall be deemed to relieve the Owner from ultimate responsibility for compliance with the CMMP.

9.4 Enforcement

In the event that the Owner or the General Contractor violates any conditions of this CMMP, the Town may suspend the Building Permit until compliant. This CMMP may be modified, amended or terminated to address ongoing violation issues. Nothing herein shall be construed to create any obligation whatsoever on the part of the Town relating to the enforcement of the provisions of this CMMP.

CMMP APPENDICES

Appendix A – The Site Logistics Plan

Demolition Plan

Work Plans