

## CONSTRUCTION EROSION AND SEDIMENT CONTROL PLAN

**Panagakos Development  
1771 Acushnet Avenue  
Map 108 – Lot 42, 43, & 44  
New Bedford, MA  
April 7, 2015**

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1. **SITE DESCRIPTION:**

**OWNER: Michael Panagakos  
133 Faunce Corner Mall Road  
Dartmouth, MA**

**PROJECT NAME AND LOCATION**

**Commercial Development  
1771 Acushnet Avenue**



**DESCRIPTION: (Purpose and Types of Soil Disturbing Activities)**

This project involves the demolition of an existing retail site and the construction of two new commercial buildings with associated lighting, landscaping and sign on a 12,668 SF parcel. The site slopes from north to south toward Belleville Road and currently includes a 6 space paved parking lot, garage, and sidewalks in addition to the retail building. The onsite soils have been classified by a licensed soil evaluator and consist of fill material over a medium to coarse sand.

Soil disturbing activities will include: installing perimeter and other sediment controls; excavation for the removal of old pavement and general site demolition, installation of the stormwater infiltration system, parking facility, signs and new buildings with associated site lighting. Upon completion of construction, landscaping

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**PLANNING**

**MAY 28 2015  
CASE # 13-15  
DEPARTMENT**

will be installed and all disturbed areas will be stabilized.

## **SEQUENCE OF MAJOR ACTIVITIES**

1. Install all erosion and sediment control measures per the enclosed approved plans. The Contractor will implement the use of widely accepted principles for erosion and sediment control during construction.
2. Removal of existing utilities, structures and pavement.
3. Installation of electrical conduits, utilities, drainage, and detention system.
4. Construct buildings, sidewalks, and parking. Stabilize site with landscaping
5. Construction sequence may vary to minimize disturbance on site.

## **2. EROSION AND SEDIMENT CONTROLS**

In addition to the perimeter controls, erosion control will be accomplished using temporary measures such as tracking entrance, seeding or mulching, spraying of liquid stabilizers or any combination of these measures. Seeds should be applied at a rate of 2 lbs/1000 square feet at a depth of ½ inch. Soil netting or covering should be used in extreme conditions.

Only minor stockpiling of soils will be allowed on site. Soil stockpiles will be ringed with hay bales/ silt fencing or covered in extreme conditions.

### **Maintenance / Inspection Procedures for Erosion and Sediment Controls**

- Construction to commence in a phased manner.
- All control measures will be inspected at least once each week and following any storm event of 0.5 inches of precipitation or greater.
- All measures will be maintained in good working order; if repair is necessary, it will be initiated within 24 hours of report.
- Built up sediment will be removed from erosion control when it has reached one-third the height of the fence or bale.
- Silt fence will be inspected for depth of sediment, tears and to see if fabric is securely attached to the fence posts, are firmly in the ground.
- Any temporary sediment basin used will be inspected for depth of

sediment. Any build up of sediment will be removed when it reaches 10% of the design capacity or at the end of project completion.

- Temporary and permanent seeding and planting will be inspected for bare spots, washouts and healthy growth.
- A maintenance and inspection report will be made after each inspection. A copy of the report form to be completed by the inspector and kept on site.
- Construction site supervisor will be responsible for training workers in all inspection and maintenance practices necessary for keeping erosion and sediment controls in good working order.

### 3. **OTHER CONTROLS**

#### **Waste Disposal**

All waste materials will be disposed of off site in accordance with all applicable local, State, Federal regulations. No construction waste is to be buried on site. All personnel will be instructed regarding the correct procedure for waste disposal. The individual, who manages the day-to-day site operations, will be responsible for seeing that these procedures are followed.

#### **Hazardous Waste**

All hazardous waste materials will be disposed of in a manner specified by local, State, Federal regulations and in accordance with any manufactures recommendations.

#### **Sanitary Waste**

All sanitary waste will be collected in portable units installed on site. The portable units will be cleaned and emptied by a qualified licensed contractor.

#### **Concrete Waste**

All concrete washings will be disposed on in a designated area away from wetlands and any property line. When the concrete hardens it will be removed from the site.

#### 4. POLLUTION AND SPILL PREVENTION

##### **INVENTORY FOR POLLUTION PREVENTION PLAN**

The following substances listed below are expected to be present onsite during construction:

- General construction materials
- Asphalt/concrete
- Paints
- Petroleum based products
- Cleaning solvents

##### **MATERIAL MANAGEMENT PRACTICES**

###### **Good Housekeeping Practices**

- Store only enough products on site to do the job.
- All materials stored outside will be stored in a neat, orderly manner in the original containers.
- Products will be kept in their original containers with the original manufacture's label.
- Whenever possible, all products will be used up before disposing of the container.
- The site contractor will inspect daily to ensure proper use and disposal of materials onsite.

###### **Product Specific Practices**

Petroleum Products:

- Refueling vehicles will be DOT Certified and have SPCC Plans in place and contain emergency equipment to contain and clean up small spills.
- All on site construction vehicles will be inspected for leaks and receive regular preventative maintenance to reduce the chance of leakage.
- Petroleum products will be stored in tightly sealed containers, which are properly marked.

Fertilizers:

- All fertilizers will be stored in a dry protected area and only used according to manufacturers recommendations.

Paints:

- All containers will be tightly sealed and stored when not required for use.
- All procedures will be followed to minimize spills and to keep products in the original containers.

Concrete Trucks:

- The site contractor is responsible for designating a safe area, away from abutting property and resource areas, for excess concrete disposal.

### **SPILL CONTROL PRACTICES**

In addition to the good housekeeping and material management practices discussed in the previous sections of this plan, the following practices will followed for Spill Prevention and clean up during construction:

- Manufacturers recommended methods for spill clean up will be clearly posted and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.
- All spills will be cleaned up immediately after discovery.
- If any threat of explosion of life threatening condition, all personnel will evacuate the area to safety and then contact the local fire department for assistance.
- The spill area will be ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- The site contractor responsible for day-to-day operations will be the spill prevention and clean up coordinator. He will designate at least three other site personnel who will receive spill prevention and cleanup training. These individuals will each become responsible for a particular phase of prevention and cleanup. The names of the responsible personnel will be posted in the material storage area in the office trailer onsite.

**NPDES Construction Permit Storm Water Pollution Prevention Plan**

This Construction Erosion and Sedimentation Control Plan will also be used for the NPDES Construction Permit Storm Water Pollution Prevention Plan, if required.

STORM WATER POLLUTION PREVENTION PLAN CERTIFICATION		
<p>I certify under the penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or person directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</p>		
Signed: 		
Steven D. Gioiosa, President SITEC, Inc.		
CONTRACTOR'S CERTIFICATION		
<p>I certify under penalty of law that I understand the terms and conditions of the general National Pollutant discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.</p>		
Signature	For	Responsible for
<hr/> <hr/> Date		