

SUNNYSIDE HEIGHTS CONSTRUCTION PERIOD POLLUTION PREVENTION PLAN AND EROSION CONTROL OPERATION AND MAINTENANCE PLAN

July 2023

During The Construction Period the General Contractor shall be responsible for the following:

1. Erosion Control

Erosion control barriers will be placed along down-gradient portions of the site as indicated on the project plans. Additional erosion control barriers will be placed at the limit of work as work progresses.

A stockpile of additional erosion control barriers shall be kept on-site at all times

2. Site Access

Site access for construction equipment will be from Sunnyside Ave. via a construction entrance as shown on the Site Preparation and Soil Erosion Control Plan, and all construction entrances will be installed at the onset of the project.

3. Construction Staging

A construction staging area will be established by the Contractor.

4. Site Grading/Site Work

The site activities may only commence when the site is stable from erosion and all required control measures are in place and functional.

5. Slope Stabilization

All surfaces and slopes shall be checked at least once every 7 calendar days and within 24 hours of the occurrence of a 24-hour storm event 0.25 inches or greater to see that vegetation is in good condition. Any rills or damage from erosion shall be repaired immediately to avoid further damage. If seeps develop on the slopes, the area will be evaluated to determine if the seep will cause an unstable condition and shall be stabilized immediately if necessary. Problems found during the inspections by the General Contractor shall be repaired promptly. Areas requiring re-vegetation shall be replanted immediately or stabilized in a manner acceptable to the Architect if it is outside of the growing season. Slopes and other exposed surfaces receiving vegetation will be maintained as necessary to support healthy vegetation. If stabilization is required during the non-growing season, straw mulch, or a commercially manufactured blanket must be employed to prevent erosion.

6. Permanent Stabilization

Disturbed portions of the site where construction activities permanently cease shall be stabilized with permanent seed no later than 14 days after the last construction activity. The permanent seed mix, fertilizer, and mulch shall be specified on the project plans. Permanent seeding will occur in the Spring or Fall based on the construction schedule.

7. Drainage Structures (Dry Well, Area Drains, Manholes, Roof Drains)

All structures shall be inspected on a bi-weekly basis and/or after every rain storm and repairs made as necessary. Sediment shall be removed from the sump after the sediment has reached a maximum of one half the depth of the sump. The sediment shall be removed from the site and properly disposed of. Drainage structures/sumps shall be cleaned completely at the end of construction.

Soils within the area of the proposed dry well shall be protected throughout construction from compaction from construction vehicles and sedimentation.

8. Dust and Sediment Control

Siltsacks:

Catch basin/Area drain filters shall be placed at all inlets to drainage structures as structures are installed and prior to pavement removal. Outlet protection work shall be constructed before runoff is allowed to enter the drainage system. Construction and location of filters shall be as indicated on the Drawings.

Compost Filter Sock:

The compost filter socks shall be installed as indicated on the Drawings.

Compost filter sock shall be placed in a row with ends tightly abutting the adjacent socks. Each sock shall be securely anchored in place by stakes spaced 8' apart maximum. The first stake in each sock shall be angled toward the previously laid sock to force the socks together, with a 1'-2' overlap at each junction.

Construction Entrance:

The area of the construction entrance should be cleared of all vegetation, roots, and other objectionable material. The filter fabric should be placed on the subgrade prior to the gravel placement. The gravel shall be placed to the specified dimensions depicted on the plans. The Construction entrance shall be a minimum of 30-feet in length and 20-feet wide.

Dust Control:

A mechanical street sweeper shall be utilized to clean the existing paved areas on an as-needed basis.

Dust control will consist of period road sweeping and watering of site surfaces using a water truck and/or hand watering.

For emergency control of dust apply water to affected areas. The source of supply and the method of application for water are the responsibility of the contractor.

Pollution Prevention Measures

1. Before, during, and after construction, functional erosion and sedimentation controls shall be implemented to prevent the silting of the areas down-gradient of the site. Compost filter socks, silt sacks, crushed stone, temporary stabilization and other controls shall be properly maintained and are not to be removed until the site is permanently stabilized. Other controls shall be added as warranted during construction to protect environmentally-sensitive areas. Sufficient extra materials (e.g. compost filter socks and other control materials) shall be stored on site for emergencies.
2. Silt fence shall be installed at all existing and proposed infiltration areas to protect from soils and sediment.
3. Casting of excavated materials shall be stored away from wetland areas and sensitive land areas.

4. Any stockpiling of loose materials shall be properly stabilized to prevent erosion and siltation. Preventative controls such as compost filter socks, temporary seeding/mulching and jute covering shall be implemented to prevent such an occurrence.
5. There shall be no flooding, ponding, or flood related damage caused by the project or surface run-off emanating from the project on lands of an abutter, nearby or down-gradient of the site.
6. There shall be no contaminant migration caused by the project to nearby and down-gradient properties, nearby aquifers, and nearby resource areas.
7. The contractor shall make sufficient provisions to control any unexpected drainage and erosion conditions that may arise during construction that may create damage on abutting properties. Said control measures are to be implemented at once.
8. During construction flood prevention, erosion, and sedimentation controls shall be in place before the natural ground cover is disturbed. Said controls shall be in place prior to other construction work and shall be monitored and approved by the Contractor. They shall be properly maintained and are not to be removed until the site is stabilized.
9. The Contractor shall designate a person or persons to inspect and supervise the erosion controls for the project. The Owners Project Manager shall be notified as to the means to contact said individual or individuals on a 24-hour basis on all working and non-working days of the project. Said means of contact shall include at least 2 separate telephone numbers of said designated person or persons.
10. There shall be periodic inspection of compost filter socks and other erosion controls by the Contractor's Designee to assure their continued effectiveness.
11. The Contractor shall make adequate provisions for controlling erosion and sediment from activities that might yield water at high volumes with high suspended solid contents, such as dewatering excavations.
12. Street sweeping shall be used to keep public ways free and clear of sediment and dirt from the site activities.

Other Control Measures

Waste Materials. All trash and construction debris from the site will be hauled to an approved landfill or recycling facility. No construction waste material will be buried on the site. All personnel will receive instructions regarding the correct procedure for waste disposal. Notices describing these practices will be posted in the construction office. The site superintendent will be responsible for seeing that these procedures are followed. Employee waste and other loose materials will be collected so as to prevent the release of floatables during rainfall events.

Hazardous Waste. No Hazardous materials are expected to be encountered. The mandated State and Local permits for removal of such materials, if located, will be implemented when such materials are encountered.

After Construction, the Owner shall be responsible for the following:

General Land Grading and Slopes Stabilization

All surfaces and slopes shall be checked semi-annually to see that vegetation is in good condition. Any rills or damage from erosion shall be repaired immediately to avoid further damage. If seeps develop, the area will be evaluated to determine if the seep will cause an unstable condition and shall be stabilized immediately if necessary. Problems found during the inspections by the Owner shall be repaired promptly. Areas requiring re-vegetation shall be replanted

immediately.

Erosion Controls

Erosion controls shall not be removed or dismantled without approval from the Engineer or Architect. Sediment deposits that are removed or left in place after the barriers have been dismantled shall be graded manually to conform to the existing topography and vegetated using seeding or other long-term cover as approved in the Landscape Plan. Bare ground that cannot be permanently stabilized within 30 days shall be stabilized by temporary measures.

Street Sweeping (\$500 per sweeping)

It is proposed that the parking and drive areas be swept with a wet brush street sweeper on a semi-annual basis, with at least two sweepings per year. One sweep shall be done at the end of the winter season (prior to the heavy rains), and the other sweep at the end of autumn (prior to snowfall).

Stormwater Management System

Dry Well, Area Drains, Roof Drain, and Drain Manholes (\$500 per structure per inspection/cleaning):

The dry well, area drain, roof drains and drain manholes shall be inspected semi-annually, and cleaned out when sumps are approximately one foot full. The use of "clam shells" for sediment removal shall not be allowed; a vacuum truck shall be the approved method of cleaning. Integrity and functionality of oil hoods shall also be checked at the time of the inspection.

Maintenance and Emergency Repairs

Any maintenance or emergency repairs to the system will be the responsibility of the Owner.

INSPECTION REPORT FORM FOR STORM WATER SYSTEM

Project: Sunnyside Heights- Arlington, MA
 10 Sunnyside Avenue, MA

INSPECTOR: _____ DATE: _____

Regular Inspection:
 Inspection after Rainfall: Amount of Rainfall: _____ inches

BMP	Functioning Correctly	Notes/Action Taken
AD-1	Y/N	
AD-2	Y/N	
AD-3	Y/N	
AD-4	Y/N	
DRYWELL-1	Y/N	
DMH-1	Y/N	
DMH-2	Y/N	
DMH-3	Y/N	
DMH-4	Y/N	

Additional Observations: _____

Action Required: _____

To be performed by: _____ On or Before: _____