

Recommended Construction Period Pollution Prevention
and
Erosion Control

William Wood Way Andover, Mass

General

Sediment control measures will be implemented prior to the start of construction. A staked hay bale barrier will be installed as shown on the Site Plan. When Construction is complete all disturbed areas shall be completely stabilized.

Responsible Party

The **Property Owner** shall be responsible for ensuring that the site development contractor hired for the work is continually in compliance with this Plan.

Site Development Plan

See the Site Plans prepared by Andover Consultants, Inc. for the proposed development details. Contractor shall comply with the NPDES CGP and maintain records of site work per the CGP permit.

Construction Sequencing Plan

Major activities will *generally proceed* as follows:

1. Obtain all required permits to raze existing structures and tennis court.
2. Install perimeter sediment control barrier of staked hay bales and/or silt fence as shown on the plans and demarcate the limit of work in other areas prior to commencing any work.
3. Grub areas where construction will occur and remove vegetation/roots off site. No stumps or trees/vegetation shall be buried on site.
4. Remove topsoil and stockpile on site. Protect stockpile with a perimeter of silt fencing or hay bales.
5. Obtain all required permits to construct roadway, utilities and buildings.
6. Install roadway utilities including subsurface chambers.
7. Rough grade roadway
8. Perform rough earthwork activities consisting of cut and fill on lots
9. Construct structures and connect dwelling utility services.
10. Place and compact pavement gravel base for paved road, sidewalks and driveway areas.
11. Place and compact bituminous concrete for paved roadway, sidewalk and driveway areas.
12. Fine grade remaining areas of non-paved areas, loam, seed and mulch.
13. Clean project area.

Construction Period Pollution Prevention Measures

1. Appropriate erosion and sediment control measures shall be installed prior to soil disturbance. Measures shall be taken to control erosion within the project area. Sediment in runoff water shall be trapped and retained within the project area. Wetland areas and surface waters shall be protected from sediment.
2. Runoff shall be controlled and conveyed into storm drains and other outlets so it will not erode the land or cause off-site damage; sediment in runoff shall be trapped by using staked hay bales, silt fencing, or sedimentation traps, or other approved erosion control devices.
3. Temporary sediment basins shall be constructed where necessary to detain runoff and to trap sediment during construction;

4. Sediment shall be removed once the volume reaches $\frac{1}{4}$ to $\frac{1}{2}$ the height of the silt fence or hay bale barrier.
5. Any offsite runoff shall be diverted from highly erodible soils and steep slopes to stable areas downstream.
6. Soil and other materials shall not be stockpiled or redistributed, either temporarily or permanently, in locations or in such a manner as would cause suffocation of tree root systems. Stockpiles shall not be within wetland buffers.
7. Topsoil shall be stripped from disturbed areas, stockpiled in approved areas and stabilized with temporary vegetative cover if it is to be left for more than thirty (30) calendar days; perimeter sediment controls shall be installed around each area of stockpiled topsoil.
8. Soil stockpiles shall be stabilized or covered at the end of each workday.
9. The area of disturbance shall be kept to a minimum. Disturbed areas remaining idle for more than 14 days shall be stabilized with mulch or matting nets.
10. A crushed stone tracking pad shall be maintained at the start of the proposed road entrance onto William Street. Once binder is placed, the paved way may act as the tracking pad. Soil tracking onto William Street shall be closely monitored and any soil tracked onto the pavement shall be removed prior to leaving the site for the day.
11. All graded areas shall be covered with four (4") inches of topsoil and planted with a native species of vegetative cover, sufficient to prevent erosion;
12. Temporary seeding, mulching or other suitable stabilization methods shall be used to protect exposed soil areas during construction; as feasible, natural vegetation shall be retained and protected; during the months of October through March.
13. Permanent seeding should be undertaken in the spring from March through May, and in late summer and early fall from August to October 15. During the peak summer months and in the fall after October 15, when seeding is found to be impractical, appropriate temporary mulch shall be applied. Permanent seeding may be undertaken during the summer if plans provide for adequate mulching and watering. All plantings shall comply with the erosion and sedimentation vegetative practices recommended by the U.S. Soil Conservation Service;
14. All slopes steeper than 3:1 (H – V, 33.3%), shall, upon completion, be immediately stabilized with sod, or seed with straw mulch, or other approved stabilization measures (e.g. manufactured straw mats). Areas outside of the perimeter sediment control system shall not be disturbed.
15. Monitoring, daily, and maintenance of erosion and sediment control measures, when required, shall be performed throughout the course of construction.
16. Temporary sediment trapping devices shall not be removed until permanent stabilization is established in all contributory drainage areas.

17. All temporary erosion and sediment control measures shall be removed after final site stabilization. Disturbed soil areas resulting from the removal of temporary measures shall be permanently stabilized within 30 days.
18. Dust shall be controlled at the site.

Inspection Schedule

During construction the inspection schedule shall consist of the following:

1. The sediment barrier shall be visually inspected daily. The barrier shall be repaired or replaced immediately, as necessary.
2. All seeded areas shall be inspected periodically to insure proper germination and adequate coverage and shall be reseeded as necessary. Any wash outs shall be promptly repaired, reseeded and mulched
3. Maintain a construction exit at the edge of the existing pavement/sidewalk on William Street and clean vehicles tires as needed and sweep as required to prevent the spread of sediment.
4. Inspect William Street sidewalk/pavement for soil tracking daily and prior to leaving the site for the day. Any tracked soil onto the street shall be swept up as needed prior to leaving the site. No sediments tracked onto the existing ways shall remain on the ways overnight.
5. Records of inspections shall be maintained in compliance with the NPDES Construction General Permit issued by the EPA for the site.