

EROSION & SEDIMENT CONTROL CHECKLIST

Monitoring and Maintenance: The E&S plan and any revisions, shall identify an agent or agents who have the responsibility and authority for the implementation, operation, monitoring and maintenance of E&S measures. Such agent(s) shall be familiar with each control measure used including its limitations, installation, inspection and maintenance. When control measures fail, or are found to be otherwise ineffective, such agent(s) shall coordinate plan revisions with a professional experienced in erosion and sediment control and any approving agency when that agency's approval is required. Such agent(s) shall have the additional responsibility for ensuring all erosion and sediment controls are properly installed and maintained the construction site before predicted major storms. A major storm is defined as a storm predicted by the National Office of Atmospheric Administration (NOAA) Weather Service with warnings of flooding, severe thunderstorms or similarly severe weather conditions or effects.

Each measure has inspection requirements included in the measure's section entitled "Maintenance". Many of the measures require inspections at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater; some others require daily inspection. Only the permanent measures have less frequent inspections. More frequent inspections than those identified in the measure may be necessary for sites that are heavily traveled and before major storms.

NARRATIVE

- Purpose and description of project.
- Estimates of the total area of the project site and the total area of the site that is expected to be disturbed by construction activities.
- Identification of site-specific erosion or sediment control concerns and issues.
- N.A. The phases of development if more than one phase is planned.
- The planned start and completion dates for each phase of the project.
- Either provide or identify where in the E&S plan the following information is found:*
 - The design criteria, construction details and maintenance program for the erosion and sediment control measures to be used.
 - The sequence of major operations within each phase, such as installation of erosion control measures, clearing, grubbing, excavation, grading, drainage and utility installation, temporary stabilization, road base, paving for roadways and parking areas, building construction, permanent stabilization, removal of temporary erosion control measures.
 - The time (in days) required for the major operations identified in the sequence.
- Identify other possible local, state and federal permits required.
- Identify the conservation practices to be used.
- A listing of all other documents to be considered part of the E&S plan (e.g. reports of hydraulic and hydrologic computations, boring logs, test pit logs, soils reports, etc.).

SUPPORT DOCUMENTS

Hydraulic Calculations:

- N.A. Size and locations of existing and planned channels or waterways with design calculations and construction details.
- No Change Existing peak flows with calculations.
- No Change Planned peak flows with calculations.
- No Change Changes in peak flows.
- Off-site effects of increased peak flows or volumes.
- N.A. Design calculations and construction details for engineered measures used to control off-site erosion caused by the project.
- N.A. Design calculations and construction details for engineered measures used to control erosion below culverts and storm sewer outlets.
- N.A. Design calculations and construction details for engineered measures used to control groundwater, i.e. seeps, high water table, etc.
- N.A. *Boring logs, test pits logs, soils reports, etc.*

SITE DRAWING(S) CHECKLIST

Jurisdictional features Required on All Maps or Drawings:

- North Arrow.
- Scale (including graphical scale).
- A title block containing the name of the project, the author of the map or drawing, the owner of record for the project, date of drawing creation and any revision dates.
- Property lines.
- For plans containing E&S measures which require an engineered design, the signature and seal of a professional engineer licensed to practice in Connecticut.

Site Locus Map:

- Scale (1:24,000 recommended).
- Project location (show property boundaries and at least the area that is within 1000 feet of the property boundaries).
- Roads, streets/buildings.
- Major drainage ways (at least named watercourses).
- Identification of any public drinking water supply watershed area.

Topography, Natural Features and Regulatory Boundaries:

- Existing contours (2 foot intervals).
- Planned grades and elevations.
- N.A. Seeps, springs.
- N.A. Limits of cuts and/or fills.
- N.A. Soils, bedrock.

- N.A. Inland wetlands boundaries.
- N.A. FEMA identified floodplains, floodways and State established stream channel encroachment lines.
- N.A. Streams, lakes, ponds, drainage ways, dams.
- Existing vegetation.
- Tidal wetland boundaries and coastal resource limits (e.g. mean high water, shellfish beds, submerged aquatic vegetation, CAM boundary).
- N.A. Public water supply watershed, wellheads or aquifer boundaries (when available).

Drainage Patterns

- Existing and planned drainage patterns (including offsite areas).
- Size of drainage areas.
- Size and location of culverts and storm sewers (existing and planned).
- N.A. Size and location of existing and planned channels or waterways.
- Major land uses of surrounding areas.

Road and Utility Systems

- Planned and existing roads and buildings with their location and elevations.
- Access roads: temporary and permanent.
- Location of existing and planned septic systems.
- N.A. Location and size of existing and planned sanitary sewers.
- Location of other existing and planned utilities, telephones, electric, gas, drinking water wells, etc.

Clearing, Grading, Vegetation Stabilization

- N.A. Areas to be cleared, and sequence of clearing.
- Disposal of cleared material (off-site and on-site).
- Areas to be excavated or graded, and sequence of grading or excavation.
- Areas and acreage to be vegetatively stabilized (temporary and/or permanent).
- Planned vegetation with details of plants, seed, mulch, fertilizer, planting dates, etc.

Erosion & Sediment Control Drawing

- Location of E&S measure on site plan drawing with appropriate symbol.
- Construction drawings and specifications for measures.
- Maintenance requirements of measures during construction of project.
- Person responsible for maintenance during construction of project.
- Maintenance requirements of permanent measures after project completion.
- Organization or person responsible for maintenance of permanent measures having the authority to maintain and upgrade control measures as designed or as needed to control erosion and sedimentation.
- Handling of emergency situations (e.g. severe flooding, rains or other environmental problems).
- If not provided in the narrative, the information listed in checklist for **NARRATIVE**.