PART I - GENERAL

1.1 APPLICABILITY

A. This section addresses the minimum requirements for soil erosion and sedimentation control on all project sites where soil will be disturbed.

1.2 RELATED DOCUMENTS

A. Exhibit 31 25 00-1, SWPPP Inspection Report Checklists
B. Exhibit 31 25 00-2, Construction Site Storm Water Discharge Incidence of Noncompliance (ION) Report Forms
C. Exhibit 31 25 00-3, Report Form for Changes in SWPPP

1.3 LAWS, REGULATIONS, AND GUIDELINES

A. The following laws, permits, regulations and guidelines apply to the erosion and sedimentation control requirements described in this Section.

1. 415 Illinois Compiled Statutes 5/13(b)(1): Illinois Environmental Protection Act
2. 40 Codified Federal Regulations Part 122: EPA Administered Permit Programs: The National Pollutant Discharge Elimination System
3. 63 Federal Register 15630-15634
7. IEPA General NPDES Permit No. ILR40 For Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) See: http://www.epa.state.il.us/water/permits/storm-water/general-ms4-permit.pdf

1.4 SUMMARY OF REQUIREMENTS

A. All Construction Sites:

1. Construction activities shall not cause a discharge that alters the physical, thermal, chemical, biological or radioactive properties of any waters of the State; or discharge a contaminant that is likely to cause a nuisance or be harmful to public health, wildlife, or other legitimate uses.

2. To the extent practicable, all construction sites shall provide on-site methods to prevent sediment from entering the existing storm water system. Discharge of cloudy or sediment-laden water from any construction site to surface waters or any part of the sewer system is prohibited.

3. All construction sites shall have stabilized construction site ingress and egress to limit tracking of sediment off-site.
4. If sediment escapes the construction site, off-site accumulations of sediment shall be removed by the end of the day.

5. Sediment shall be removed from sediment traps or sedimentation basins when design capacity has been reduced by 50%.

6. Existing vegetation shall be preserved where possible to minimize erosion.

B. Construction Sites that Disturb One or More Acres:

1. Construction sites with a disturbed area of one or more acres shall meet all applicable state and federal storm water discharge laws, regulations, and guidelines specified in this section. This includes construction sites less than 1 acre if part of a larger common development plan that is equal to or greater than 1 acre.

2. Required Documents

   a. Storm Water Pollution Prevention Plan: A Storm Water Pollution Prevention Plan (SWPPP) shall be prepared by the project Professional Services Consultant (PSC) to minimize the discharge of pollutants in storm water.

      (a) The SWPPP shall include all elements required by the Illinois Environmental Protection Agency (IEPA) NPDES Storm Water Permit ILR10. (See: http://www.epa.state.il.us/water/permits/storm-water/general-construction-permit.pdf) The SWPPP consists of a site map and a separate narrative document.

      (b) The USEPA Summary Guidance document 833-R-92-001, entitled *Storm Water Management for Construction Activities: Developing Pollution Prevention Plans and Best Management Practices* may also be used as a guide to developing the SWPPP.

      (c) Best management practices, controls, and other provisions contained in the SWPPP shall be designed for a storm event equal to or greater than a 25-year 24-hour rainfall event and at least as protective as the requirements contained in the IEPA Illinois Urban Manual (1995 or most current edition).

      (d) The following items shall be included in the SWPPP; however, this is not a comprehensive list:

         (i) Dates for the following:

            1. Major grading activities,
            2. Construction activities temporarily (less than 14 days) or permanently ceased on any portion of the site,
            3. Site stabilization measures initiated, and
            4. SWPPP revisions.

         (ii) Description of how litter, construction debris, and construction chemicals exposed to storm water will be prevented from becoming a pollutant source for storm water discharges.

         (iii) Requirement for fuel storage tanks to have secondary containment to protect storm water from exposure to leaks and spills. The containment shall be designed to hold at least 110% of the volume of the largest stored container.

         (iv) Requirement that adequate amounts of spill containment and cleanup equipment are provided to prevent a spill (fuel or other chemical) from entering a waterway.

         (v) Description of how off-site material storage areas (i.e. for soil/aggregate stockpiles, chemicals, paints, etc.) used solely by the project will be managed.
(vi) Construction and maintenance areas for concrete and mortar washout if trucks or equipment will be cleaned on site.

b. Notice of Permit Coverage: The Owner will provide the Notice of Permit Coverage. Prior to site disturbance, the Contractor shall post a notice to the public. The notice shall be placed in a location where the public can view it without entering the project site.

1.5 BUDGETING

A. Contractor shall provide a separate budgetary line item in the Contractor’s Schedule of Values identifying funds scheduled to implement the SWPPP.

PART 2 - PRODUCTS

2.1 STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

The SWPPP shall include all elements required by the Illinois Environmental Protection Agency (IEPA) NPDES Storm Water Permit ILR10 (See: http://www.epa.state.il.us/water/permits/storm-water/general-construction-permit.pdf ) The SWPPP consists of a site map and a separate narrative document. For a template see: http://www.fs.uiuc.edu/stormwatermanagement/PDFs/swppptemplate.doc

2.2 INSPECTION REPORT CHECKLISTS

A. See Exhibit 31 25 00-1, SWPPP Inspection Report Checklists

2.3 INCIDENT OF NONCOMPLIANCE (ION) FORMS as necessary

A. See Exhibit 31 25 00-2, Construction Site Storm Water Discharge Incidence of Noncompliance (ION) Report Forms

2.4 Report Form for Changes in SWPPP

A. See Exhibit 31 25 00-3, Report Form for Changes in SWPPP

PART 3 - EXECUTION

3.1 POST NOTICE OF PERMIT COVERAGE PRIOR TO SITE DISTURBANCE

3.2 SWPPP IMPLEMENTATION

A. The Contractor shall implement the SWPPP prepared by the PSC and maintain all erosion and sedimentation measures specified in the SWPPP. If full implementation of the SWPPP does not provide effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source and the SWPPP shall be updated within 7 days to reflect the additional measures. Use the Report Form for Changes in SWPPP.

B. The Contractor shall provide a signed copy of the SWPPP to the Owner within 48 hours of receiving a Notice To Proceed and may not begin any site disturbance until the following conditions are met:

1. The Contractor reviews, approves, and certifies the SWPPP;
2. The Owner reviews, approves, and certifies the SWPPP;
3. The Contractor begins SWPPP implementation (i.e. perimeter sedimentation controls, erosion control materials on-site, etc.).

C. In the event that an inspection reveals a departure from the SWPPP requirements, the Contractor shall remedy the deficiency within 7 calendar days.
D. The project SWPPP and all attachments, reports, and drawings shall be turned over to the Owner upon completion of the project.

3.3 CONTRACTOR SITE INSPECTIONS

A. Inspection Protocol: The Contractor is responsible for conducting and documenting inspections of the construction site once every 7 calendar days AND within 24 hours after a rainfall event of 0.5 inch or greater or equivalent snowfall. At a minimum, the following areas shall be inspected, if applicable, according to the above schedule:

1. disturbed areas;
2. waste and hazardous material storage areas;
3. construction material storage;
4. fuel and oil storage;
5. concrete wash-out stations;
6. locations where vehicles/equipment enter and exit the site;
7. structural sediment and erosion control measures (i.e. sedimentation basin, silt fence, inlet protection, seeding, etc.);
8. on-site and adjacent stormwater inlets;
9. adjacent streets and gutters; and
10. soil stockpiles.

B. Inspection Documentation: Use the inspection checklist in Exhibit 31 25 00-1, SWPPP Inspection Report Checklists. The Contractor shall retain completed inspection checklists with the SWPPP on-site. All inspection checklists shall be turned over to the Owner upon completion of the project. The PSC or Contractor shall revise the SWPPP and erosion control site map as necessary within 7 calendar days following an inspection that indicates a change in or failure of design, construction, operation or maintenance that has a significant effect on the potential for pollutants to be discharged into storm sewers or surface water. Use the Report Form for Changes in SWPPP.

C. Incidence of Noncompliance (ION): Use the ION report in Exhibit 31 25 00-2, Construction Site Storm Water Discharge Incidence of Noncompliance (ION) Report Forms. Should the Contractor observe any violations of the SWPPP, including those not required by the Plan, the Contractor shall complete and submit an ION report to the Owner within 5 calendar days.

END OF SECTION 31 25 00

This section of the U of I Facilities Standards establishes minimum requirements only. It should not be used as a complete specification.