Division 31 00 20 – Stormwater Pollution Prevention Plan (SWPPP) and Erosion & Sediment Control Plan

Energy Management
319 15th Avenue SE
Minneapolis, MN 55455
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DIVISION 31 - EARTHWORK 31 01 20 - GENERAL REQUIREMENTS
1.0 PERMITS

A. For the purposes of sedimentation control, certain land disturbing activities will require a Minnesota Pollution Control Agency (MPCA) Construction Stormwater permit and/or University of Minnesota Grading Permit (refer to Table 1 in 31 25 20 Section 1.1 A.).

B. A Minnesota Department of Natural Resources (DNR) Public Waters Work Permit is required when disturbing soil below the Ordinary High Water Level (OHWL) of any Public Water or Public Water Wetland. Initial and ongoing contact with the DNR shall be made by the University Project Manager or designee.
   a. As the local government unit, a University of Minnesota Grading Permit is required for work requiring a DNR Public Waters Work Permit.

C. An Army Corps of Engineers 404 Permit is required for the discharge of dredged or fill material into waters of the U.S., which include wetlands. Regulated discharges include filling wetlands for development, grading or pushing material around within a wetland, disturbing wetland soil during land clearing, etc. Initial and ongoing contact with the Army Corps of Engineers shall be made by the University Project Manager or designee.
   a. As the local government unit, a University of Minnesota Grading Permit is required for work requiring an Army Corps of Engineers 404 Permit.
DIVISION 31 - EARTHWORK 31 25 20 - EROSION AND SEDIMENTATION CONTROL

1.0 APPLICABILITY

Projects with “Construction Activities” as defined in Minn. R. 7090.0080 that are to be constructed on University of Minnesota property in the State of Minnesota shall comply with this standard for design, permitting, and construction.

1.1 PERMITS, SWPPP, EROSION & SEDIMENT CONTROL PLAN

A. Use Table 1 to determine what permits are required and whether an MPCA Stormwater Pollution Prevention Plan (SWPPP) or an Erosion & Sediment Control Plan is needed.

<table>
<thead>
<tr>
<th>Disturbed Area</th>
<th>Additional Considerations (1)</th>
<th>UMN Grading Permit Required (2)</th>
<th>MPCA Constr. Stormwater Permit Required</th>
<th>SWPPP Required</th>
<th>Erosion &amp; Sediment Control Plan Required</th>
<th>SWPPP Submitted to MPCA (30 day review period)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;= 50 acres</td>
<td>Distance to impaired or special water is &lt;= 1 mile</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>&gt;= 50 acres</td>
<td>None</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>&gt;= 1 acre</td>
<td>None</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>&lt; 1 acre but &gt; 3,000 ft²</td>
<td>Disturbance is inside an Urban Area boundary</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>&lt; 1 acre but &gt; 3,000 ft²</td>
<td>Disturbance is outside an Urban Area boundary and disturbance is upgradient and adjacent to a water body or stormwater conveyance</td>
<td>Per the University Civil Engineer</td>
<td>No</td>
<td>No</td>
<td>Yes only if UMN grading permit is required</td>
<td>No</td>
</tr>
<tr>
<td>&lt; 3,000 ft²</td>
<td>None</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

(1) Use the Construction Stormwater Planning map at this link to identify additional considerations: [https://z.umn.edu/constructionstormwaterplanning](https://z.umn.edu/constructionstormwaterplanning)
(2) Refer to 31 01 20 for more information on the University of Minnesota Grading Permit

B. Design of SWPPP or Erosion & Sediment Control Plan

1. The SWPPP shall be designed by the Civil Engineer of Record or other qualified person who holds certification in SWPPP design per Table 2.
2. For sites with a Minnesota Pollution Control Agency Construction Stormwater General Permit MNR100001 (MPCA Permit), the SWPPP shall include all elements required to comply with the MPCA Permit. Refer to the “SWPP Plan Checklist” (Appendix K) found in the Building Construction Standards Appendices.

3. For all other SWPPP required sites, the Civil Engineer of Record or other qualified person who holds certification in SWPPP design per Table 2 shall provide a SWPPP appropriate for site conditions and that prohibits discharges of sediment and other pollutants.

C. Permits

1. The University Project Manager and the General Contractor shall serve the roles of “Owner” and “Operator” for the purpose of obtaining the MPCA Permit and shall together be considered the “Permittees” (see Minn. R. 7090.0080 definitions). The General Contractor shall coordinate the application process with the University Project Manager and apply via the MPCA online application. The General Contractor shall be responsible for payment of the permit fee.

2. The General Contractor shall obtain the University of Minnesota Grading Permit.

1.2 SITE MANAGEMENT FOR SWPPP REQUIRED SITES

A. The General Contractor shall provide a person on-site to oversee the implementation of the SWPPP. This person must hold certification per Table 2 or approved equal.

B. The General Contractor shall ensure that temporary erosion and sediment control device installers hold current certification per Table 2 or approved equal.

C. For SWPPP required sites with or without a MPCA Permit, the General Contractor shall ensure that site inspections are completed per the schedule set forth in the MPCA Permit and shall ensure the person performing the inspection holds current certification per Table 2 or approved equal. Inspections shall be documented on the University of Minnesota provided inspection form “Construction Stormwater Inspection Checklist” (Appendix L) found in the Building Construction Standards Appendices.

   a. In addition to the General Contractor required inspections, the project site will be inspected by the University Building Code Official or designee on the following minimum intervals to be coordinated by the General Contractor:
      i. After BMP installation but before land disturbing activities.
      ii. During construction at least once per construction season.
      iii. In preparation for Post Construction BMP Installation (if applicable).
      iv. Final Stabilization Inspection for approval of BMP removal and Notice of Termination (NOT) initiation. NOT initiation applies only for sites with a MPCA Permit.

D. The SWPPP, completed inspections, and other associated documents shall be retained on site and made available to the University and the MPCA (when applicable).
TABLE 2: TRAINING/CERTIFICATION

<table>
<thead>
<tr>
<th>Role</th>
<th>Standards Reference</th>
<th>University of Minnesota Bioproducts and Biosystems Erosion and Stormwater Management Certification Program Course Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWPPP Designer</td>
<td>31 25 20 1.1 B. 1.</td>
<td>ED3001</td>
</tr>
<tr>
<td>General Contractor</td>
<td>31 25 20 1.2 A.</td>
<td>ED2001</td>
</tr>
<tr>
<td>SWPPP Manager</td>
<td></td>
<td>ED2001</td>
</tr>
<tr>
<td>BMP Installer</td>
<td>31 25 20 1.2 B.</td>
<td>ED1001</td>
</tr>
<tr>
<td>General Contractor</td>
<td>31 25 20 1.2 C.</td>
<td>ED2001</td>
</tr>
<tr>
<td>Inspectors</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1.3 TERMINATION AND CLOSEOUT
A. The General Contractor may proceed to termination and closeout provided the following conditions are met.
   a. For all SWPPP required sites, the site meets the Final Stabilization requirements as specified in MPCA Permit Section 13.1.
   b. A final clean out of permanent BMPs and conveyance systems has been completed.
   c. Temporary synthetic BMPs have been removed.
   d. Permit coverage may be terminated prior to completion of all construction activity if all of the following are met in addition to Sections b and c.
      i. Construction activity has ceased for at least 90 days
      ii. At least 90% (by area) of all originally proposed construction activity has been completed and permanent cover has been established on those areas
      iii. On areas where construction activity is not complete, permanent cover has been established as specified in MPCA Permit.

1.4 SUBMITTALS
A. The following submittals shall be made by the General Contractor to the University Project Manager, the University Civil Engineer, and the University Building Code Official on the schedule indicated for each item.
   a. Documentation of Training and Certifications as required in Sections 1.3. A. & B. of this standard. The documentation shall include the trained individual's name, date of training, training instructor and entity providing training, and content of training course. The submittal shall be made as early as the information is known but no later than the pre-construction meeting. During construction and through the duration of the permit the General Contractor shall submit this information within 2 business days for new personnel filling these roles.
   b. For sites requiring a MPCA Permit, proof of Application for the MPCA Permit, prior to clearing, grading or other land disturbing activities.
   c. Completed site inspection forms per 1.2C shall be submitted within 2 business days of completion.
d. For sites requiring a MPCA Permit, the General Contractor shall confirm in writing immediately once the Notice of Termination process has been initiated via the MPCA website.

1.5 PROHIBITIONS
A. Regardless of size of area of disturbance, vehicle tracking from the site is PROHIBITED.
B. Runoff transporting construction site sediments and/or other pollutants is PROHIBITED from leaving the site or otherwise entering a storm inlet, conveyance, or water body.
C. PROHIBITED: Straw Bales or fabric under grates as inlet protection.