

**31 25 00 EROSION AND SEDIMENTATION CONTROLS**

**1. Applicability**

- 1.1. 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.
- 1.2. Pavement rehabilitation that does not disturb the underlying soils (e.g., mill and overlay or grind and pave projects) is not construction activity.

**2. Permits, SWPPP, Erosion and Sediment Control Plan**

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

**Table 1. Permit/SWPPP/Erosion and Sediment Control Plan Required**

<b>Disturbed Area</b>	<b>Additional Considerations<sup>1</sup></b>	<b>UMN Grading Permit Required<sup>2</sup></b>	<b>MPCA Construction Stormwater Permit Required</b>	<b>SWPPP Required</b>	<b>Erosion &amp; Sediment Control Plan Required</b>	<b>SWPPP Submitted to MPCA (30 day review period)</b>
≥ 50 acres	Distance to impaired or special water is ≤ 1 mile	Yes	Yes	Yes	No	Yes
	None	Yes	Yes	Yes	No	No
≥ 1 acre	None	Yes	Yes	Yes	No	No
< 1 acre but > 3,000 ft <sup>2</sup>	Disturbance is inside of the Urban Area boundary	Yes	No	No	Yes	No
< 1 acre But > 3,000 ft <sup>2</sup>	Disturbance is outside of the Urban Area boundary and disturbance is upgradient and adjacent to a water body or stormwater conveyance	Per the University Civil Engineer	No	No	Yes, only if UMN grading permit is required	No
< 3,000 ft <sup>2</sup>	None	No	No	No	No	No

<sup>1</sup> Use the Construction Stormwater Planning map at this link to identify additional considerations: <https://z.umn.edu/constructionstormwaterplanning>

<sup>2</sup> Refer to 31 20 00 for more information on the University of Minnesota Grading Permit

2.2. Design of SWPPP or Erosion and Sediment Control Plan

- 2.2.A. For SWPPP and Erosion and Sediment Control Plan requirements, refer to the SWPPP Plan Review Checklist (Appendix K) found in the Building Standards Appendices.
- 2.2.B. The SWPPP shall be designed by the Civil Engineer of Record or other qualified person who holds certification in SWPPP design per **Table 2**.
- 2.2.C. 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.

**Table 2. Training/Certification**

<b>Role</b>	<b>Standards Reference</b>	<b>MPCA Construction Permit Reference</b>	<b>University of Minnesota Bioproducts and Biosystems Erosion and Stormwater Management Certification Program Course Number</b>
SWPPP Designer	Section 2.2.B.	Section 21.1	ED3001
General Contractor SWPPP Manager	Section 3.2.A.		ED2001
BMP Installer	Section 3.2.B.		ED1001
General Contractor Inspectors	Section 3.2.C.		ED2001

2.3. Permits

2.3.A. University of Minnesota Projects:

- 2.3.A.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).
- 2.3.A.2. The General Contractor shall coordinate the MPCA Permit application process with the University Project Manager and apply via the MPCA online application.
- 2.3.A.3. The General Contractor shall obtain the University of Minnesota Grading Permit.
- 2.3.A.4. The General Contractor shall be responsible for payment of permit fees.

2.3.B. Non-University Projects:

- 2.3.B.1. The Project Owner 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).

- 2.3.B.2. The General Contractor shall obtain the University of Minnesota Grading Permit.
- 2.3.B.3. The General Contractor shall coordinate the Grading Permit application process with the University Representative or University Civil Engineer.
- 2.3.B.4. The General Contractor shall be responsible for payment of permit fees.

### **3. Site Management**

- 3.1. Erosion and Sediment Control Plan Sites:
  - 3.1.A. The site shall be managed by the Permittee in compliance with the Grading Permit.
- 3.2. SWPPP/MPCA Permit Required Sites:
  - 3.2.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.
  - 3.2.B. The General Contractor shall ensure that temporary erosion and sediment control device installers hold current certification per **Table 2** or approved equal.
  - 3.2.C. The General Contractor shall complete the site inspections 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.
    - 3.2.C.1. Inspections shall be documented on the University of Minnesota provided inspection form Construction Stormwater Inspection Checklist (Appendix L) found in the Building Standards Appendices, or an approved equal inspection form.
  - 3.2.D. 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:
    - 3.2.D.1. Pre-Land Disturbing Activity Inspection, post installation of temporary BMPs
    - 3.2.D.2. General Construction Inspection(s)
      - 3.2.D.2.a. Minimum of 1 per construction season for multi-year projects
    - 3.2.D.3. Pre-Permanent BMP Installation Inspection (if installing permanent stormwater BMP)
    - 3.2.D.4. Final Stabilization Inspection
      - 3.2.D.4.a. Approval for BMP removal and Notice of Termination (NOT) initiation
  - 3.2.E. The SWPPP, completed inspections, and other associated documents shall be retained on site and made available to the University and the MPCA.

### **4. Termination and Closeout**

- 4.1. Erosion and Sediment Control Plan Sites:
  - 4.1.A. The Permittee shall request a Final Stabilization inspection once all construction activity is complete, site is permanently stabilized and cleaned.
- 4.2. SWPPP/MPCA Permit Required Sites:
  - 4.2.A. The General Contractor shall request a Final Stabilization inspection once the site meets requirements as specified in MPCA Permit Section 13.1.
  - 4.2.B. Upon passing the Final Stabilization inspection, the General Contractor shall initiate the notice of termination (NOT) of the MPCA permit.

**5. Submittals**

- 5.1. Erosion and Sediment Control Plan Sites:
  - 5.1.A. 95% CD/Permit Set
    - 5.1.A.1. Erosion & Sediment Control Plan
    - 5.1.A.2. Appendix K
- 5.2. SWPPP/MPCA Permit Required Sites:
  - 5.2.A. 95% CD/Permit Set
    - 5.2.A.1. SWPP Plan
    - 5.2.A.2. Appendix K
  - 5.2.B. 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.
    - 5.2.B.1. Provide proof of Application for the MPCA Permit, prior to clearing, grading, or other land disturbing activities.
    - 5.2.B.2. Completed site inspection forms per Section 3.2.C. shall be submitted at project closeout.
    - 5.2.B.3. Provide the Notice of Termination Copy of Record from the MPCA.

**6. Prohibitions**

- 6.1. **PROHIBITED:** Vehicle tracking from the site, regardless of size of area of disturbance
- 6.2. **PROHIBITED:** Runoff transporting construction site sediments and/or other pollutants leaving the site or otherwise entering a storm inlet, conveyance, or water body.
- 6.3. **PROHIBITED:** Straw Bales or fabric under grates as inlet protection.
- 6.4. **PROHIBITED:** Non-wildlife friendly erosion control netting.
- 6.5. **PROHIBITED:** Using mulch, hydromulch, tackifier, polyacrylamide, or similar erosion prevention practices within any portion of the normal wetted perimeter of a temporary or permanent drainage ditch or swale with a continuous slope greater than 2%.

**END OF SECTION**