

EROSION CONTROL PERMIT APPLICATION

Houston County, Minnesota

The undersigned is applying for an EROSION CONTROL PERMIT. The applicant agrees that all erosion control practices and procedures shall be in accordance with the requirements of Houston County's Ordinance and with all other applicable County and State regulations. This application and the EROSION CONTROL PLAN are to be submitted to the Houston County Planning and Zoning Department for plan review and acceptance. Fees are to be paid prior to issuance of permits.

Fee Required \$ _____ Date: ____ / ____ / ____

Landowner

Print Name _____

Phone _____

Address _____

Zip Code _____

Site Location:

Town of _____ Section _____ Township _____ Range _____

Address/Street _____ Parcel # _____

Description of activity: _____

Anticipated start date _____

Slope of the site where land disturbance will occur _____ %

Amount of area to be disturbed: Square Feet _____ (or) Acres _____

Distance between disturbed area and perennial waters, streams, lakes, etc.

(Check one) 0-100' _____, 101'-300' _____, within 1/4 mile _____, over 1/4 mile _____

PERSON RESPONSIBLE FOR EROSION CONTROL:

Signature _____ Phone _____ Date ____ / ____ / ____

Address _____ Zip _____

Complete and return forms to:

**Houston County Planning and Zoning Department
Room 209, 304 South Marshall Street, Caledonia, MN 55921.**

Erosion Control Site Plan

Name: _____

Building site is: Existing New

Existing driveway will be used for access. Yes No

Recommendations:

1. Yes No Permanently seed and mulch all exposed areas immediately after construction. Mulch material may be old hay or straw placed at the rate of 1 to 1½ tons per acre. Note: use a nurse crop of oats with your permanent seeding at a rate of 1 bushel per acre.
2. Yes No In the event that a permanent seeding can not be implemented due to circumstances beyond the landowner's control, a temporary cover needs to be established. Annual ryegrass at a rate of 3 pounds per acre or oats at a rate of 1 bushel per acre may be used. After seeding, mulch all exposed areas immediately. Mulch material may be old hay or straw placed at the rate of 1 to 1½ tons per acre.
3. Yes No All cut and fill slopes that exceed a 2:1 ratio will need to be treated with an alternative system to stabilize the soil. These systems may include but are not limited to retaining walls, anchored fabricated mulch, cable concrete, rip-rap, etc.
4. Yes No Any water control practices and driveway ditches installed will be maintained. Use only sod forming grasses and legumes.
5. Yes No Adequate rain gutters, down sprouts, and tile should be installed to further protect the building site.
6. Yes No Maintain an adequate buffer below the building site to reduce sediment loss.
7. Yes No Silt fencing will need to be installed and maintained.
8. Yes No Familiarize yourself with the soil description enclosed and be aware of the soils capability and limitations.
9. Yes No Consider using bale barriers or fabric barriers in any concentrated flow areas.
10. Yes No See site drawing plan for further information.

Contact your local Soil and Water Conservation District for further assistance at (507)724-5261 ext #3, Monday-Friday 7:00 a.m. to 4:30 p.m.

TYPICAL SEEDING

Lawn/Non-Agriculture Use	Soil & Water Control Practices/Driveway Ditches
Kentucky Bluegrass.....45 lbs/acre	Smooth Brome.....15 lbs/acre
Tall Fescue.....30 lbs/acre	Timothy.....5 lbs/acre
Perennial Ryegrass.....5 lbs/acre	Clover.....3 lbs/acre
	Perennial Ryegrass.....3 lbs/acre

**HOUSTON COUNTY
BLUFFLAND PROTECTION PLAN APPROVAL FEE SCHEDULE**

Control plan review fees are established by the Houston County Board of Commissioners. There will be only one fee per each control plan. Control plans are to be reviewed by the Root River SWCD. Accepted control plan and fee will be submitted to the Zoning Department. Control plan fees are separate from other applicable Zoning Department fees.

Zoning Occupancy, Conditional Use, or Special Exception permits are still applied for at the Zoning Department. All permits are issued by the Zoning Administrator upon acceptance of the control plan by the department and payment of all applicable fees.

TYPE 1 PLAN

Type I Slope Standard Erosion Control Plan

Development (including structures, roads and driveways) on slopes less than twelve (12) percent, shall require a Type I Slopes, Standard Erosion Control Plan.

FEE: \$80.00

TYPE 2 PLAN

Type II Slope Site-Specific Erosion Control Plan

Development on slopes with an average grade between thirteen (13) and nineteen (19) percent, shall require a Type II Slopes, Site-Specific Erosion Control Plan.

FEE: \$160.00

TYPE 3 PLAN

Type III Slope Site-Specific Erosion Control Plan

Development on slopes with an average grade between twenty (20) and twenty-four (24) percent, shall require a Type III Slopes, Site-Specific Erosion Control Plan.

FEE: \$240.00

TYPE 4 PLAN

Type IV Slope Site-Specific Erosion Control Plan

The County has determined that land development activities on slopes twenty-five (25) percent or greater, Type IV Slopes, create an erosion hazard and that the potential for offsite damage to public and private property warrants protection of these environmentally sensitive areas.

1. Land development activities on Type IV Slopes, slopes twenty-five (25) percent or greater, shall be limited to access roads for residential and nonresidential developments and shall require a "Site-Specific Erosion Control Plan." Final access road grades shall be no greater than twelve (12) percent slope, unless the design plan is approved by the County Planning Commission, in which case, the road grade shall not exceed fourteen (14) percent slope.
2. An access road on a Type IV Slope, twenty-five (25) percent or greater, which serves a development on land flat enough to not require an Erosion Control for the development shall require a Site Specific Erosion Control Plan for the access road.

TYPE 5 PLAN

Access Erosion Control

All access roads and driveways for development of building sites shall have an erosion control plan for both the construction phase of the road and subsequent storm water management.

Standard Erosion Control Plan for Slopes Less Than 24%

1. Applicability

- a. Submit this Standard Plan if development is planned for slopes less than 24%.
- b. Upon plan submission, and a site investigation, the Root River Soil and Water Conservation District (RRSWCD) makes a recommendation to the County Planning and Zoning Department.

2. Conditions

- a. The County shall have access to the site for inspection.
- b. The Root River SWCD shall be notified at least 24 hours prior to the start of the development activity.
- c. All control measures shall be maintained by the landowner or user.
- d. The applicant shall repair any situation or erosion damage to adjoining areas.
- e. All other Federal, State, County or Township regulations still apply.
- f. The permit must be kept posted so as to be visible from a public roadway at the entrance to the site.

3. Requirements

- a. Where surface runoff from any disturbed or graded area flows off the site, silt fences, straw bales or equivalent measures shall be installed to specifications prior to the land development.
- b. Any sediment reaching public roads shall be removed, not flushed, at the end of each workday.
- c. Swales and channels that transport concentrated runoff shall be stabilized by sodding, erosion control mats or fabrics, diverting flow until vegetation is established or other approved measures.
- d. Grading shall not impair existing surface drainage, create erosion hazards or a source of sediment to adjacent waters or property.
- e. Final grades shall be completed as soon as practical.
- f. A site sketch shall be submitted. Directional arrows must show the drainage patterns of the site before and after development.

4. Stabilization

All disturbed ground not established to final grade within 21 days of initial land disturbances shall be temporarily stabilized by seeding or approved measures. Permanent seeding, sodding or other measures shall be used as part of final site stabilization and shall be completed within 24 hours of final grading unless a variance is granted.

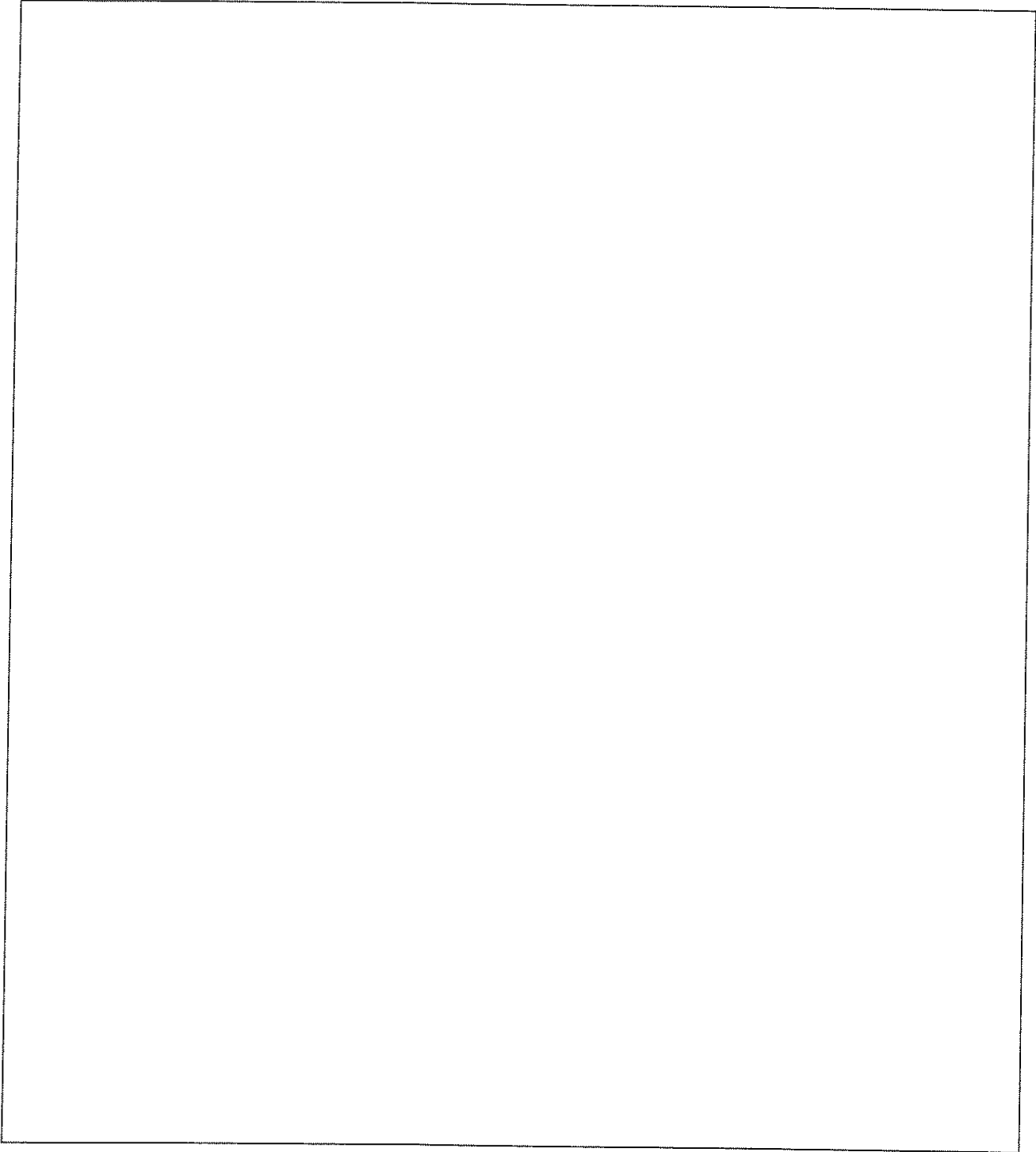
5. Specifications

Erosion control measures shall be in accordance with RRSWCD or SCS approved standards and specifications.

EROSION CONTROL PLAN CHECKLIST

YES	NO	
___	___	1. Is the application form complete, including all information and all signatures?
___	___	2. Existing site sketch.
___	___	a. Are property and adjacent land boundaries shown?
___	___	b. Channels, ditches, watercourses, wetlands identified?
___	___	c. Existing ground cover identified?
___	___	d. Drainage patterns on and adjacent to site identified?
___	___	e. Locations and dimensions of utilities, roads, highways, and paving identified?
___	___	3. Site development plan.
___	___	a. Does your sketch of the site show: Locations and dimensions of land disturbances including driveways, buildings, utilities, etc.
___	___	Locations and dimensions of earth stockpiles?
___	___	Locations and dimensions of erosion control measures?
___	___	b. Does your proposed development schedule indicate: Sequence of development including length of time involved through each phase of site development?
___	___	Timing for installation of erosion control measures?
___	___	Anticipated starting date?
___	___	Provisions for maintenance of control measures?
___	___	Seed mixtures and seeding and mulching requirements?
___	___	c. All documentation for design of engineered practices such as sediment traps and basins, channels and waterways, diversions etc., including hydrology and hydraulic analysis for stability?

EROSION CONTROL PLAN SKETCH
FOR DEVELOPMENT ON SLOPES < 12%
(*SEE CHECKLIST TO COMPLETE SITE SKETCH)



Plan reviewed by: _____ Date: ____ / ____ / ____

* EXAMPLE *

