

Standard Erosion Control Plan for 1 & 2 Family Dwelling Construction Sites

According to Chapters ILHR 20 & 21 of the Wisconsin Uniform Dwelling Code, a soil erosion control plan needs to be submitted and approved prior to the issuance of building permits for 1 & 2 family dwelling units in those jurisdictions where the soil erosion control provisions of the Uniform Dwelling Code are enforced. This Standard Erosion Control Plan is provided to assist in meeting this requirement.

Building inspectors have authority to request erosion control measures not specifically required by Code when such measures are deemed necessary to meet the Code's overall performance standard of keeping soil on site.

Construction projects that disturb more than 5 acres, or are part of a development that disturbs more than 5 acres, are also required to obtain a construction site storm water discharge permit from the Wisconsin Department of Natural Resources.

Applicant:

Name

Daytime telephone number

Street address, city, zip code

Landowner:

Name

Daytime telephone number

Street address, city, zip code

Location of the building site (complete as appropriate):

_____ quarter of Section _____, Town _____ N., Range _____ E.

Lot _____, Block _____, _____

Street address

Instructions:

1. Complete this plan by filling in requested information, marking (✓) appropriate boxes, and completing the site diagram.
2. In completing the site diagram, give consideration to potential erosion that may occur before, during, and after grading. Water runoff patterns can change significantly as a site is reshaped.
3. Chapters ILHR 20 & 21 of the Wisconsin Uniform Dwelling Code, the DNR *Wisconsin Construction Site Best Management Handbook*, and UW - Extension publication *Erosion Control for Home Builders* can be referred to for assistance in completing this plan. The Wisconsin Uniform Dwelling Code and the *Wisconsin Construction Site Best Management Handbook* are available through State of Wisconsin Document Sales, 608/266-3358. *Erosion Control for Home Builders* (GWQ001) can be ordered through Cooperative Extension Publications, 608/262-3346.
4. Submit this plan at the time of building permit application.

Check (✓) appropriate boxes below, and complete the site diagram with necessary information:

Completed
Not applicable

Site Characteristics

- North arrow, scale, and site boundary. Indicate and name adjacent streets or roadways.
- Location of existing drainageways, streams, rivers, lakes, wetlands or wells.
- Location of storm sewer inlets.
- The gradient and direction of slopes before grading operations.
- The gradient and direction of slopes after final grading operations.
- Location of existing and proposed buildings and paved areas.
- Overland runoff (sheet flow) coming onto the site from adjacent areas.

Erosion Control Practices

- Location of temporary soil storage piles.
Note: Although not specifically required by Code, it is recommended that soil storage piles be placed behind a sediment fence or more than 25 feet from any downslope road or drainageway.
- Location of gravel access drive(s).
Note: Recommended gravel drive design is 2 to 3 inch aggregate stone laid at least 7 feet wide and 6 inches thick. Drives should extend from the roadway 50 feet or to the house foundation (which ever is less).
- Location of sediment fences (filter fabric fence, straw bale fence) or vegetative strips that will prevent eroded soil from leaving the site.
- Location of sediment barriers around on-site storm sewer inlets.
- Location of diversions.
Note: Although not specifically required by Code, it is recommended that concentrated flow (drainageways) be diverted (re-directed) around disturbed areas. Overland runoff (sheet flow) from adjacent areas greater than 10,000 sq. ft. should also be diverted around disturbed areas.
- Location of practices that will be applied to control erosion on steep slopes (greater than 12% grade).
Note: Such practices include maintaining existing vegetation, placement of additional sediment fences, diversions, and re-vegetation by sodding or by seeding with use of erosion control mats.
- Location of practices that will control erosion in areas of concentrated runoff flow.
Note: Unstabilized drainageways, ditches, diversions, and inlets should be protected from erosion through use of such practices as in-channel fabric or straw bale barriers, erosion control mats, staked sod, and rock rip-rap. When used, a given in-channel barrier should not receive drainage from more than two acres of unpaved area, or one acre of paved area. In-channel practices should not be installed in perennial streams.
- Location of other planned practices not already noted.

Indicate management strategy by checking (✓) the appropriate box:

Planned
Not planned

Management Strategies

- Temporary stabilization of disturbed areas.

Note: Although not specifically required by Code, it is recommended that disturbed areas and soil piles left inactive for extended periods of time be stabilized by seeding (between April 1st and September 15th), or by other cover, such as tarping or mulching.

- Permanent stabilization of site by re-vegetation or other means as soon as possible.

- Use of downspout and/or sump pump outlet extensions.

Note: Although not specifically required by Code, it is recommended that flow from downspouts and sump pump outlets be routed to stable areas such as established sod or pavement.

- Trapping sediment during dewatering operations.

Note: Although not specifically required by Code, it is recommended that sediment-laden discharge water from pumping operations be ponded behind a sediment barrier until most of the sediment settles out.

- Proper disposal of building material waste so that pollutants and debris are not carried off-site.

- Maintenance of erosion control practices.

- Sediment will be removed from behind sediment fences and barriers before it reaches a depth that is equal to half the barrier's height.
- Breaks and gaps in sediment fences and barriers will be repaired immediately. Decomposing straw bales will be replaced (typical bale life is three months).
- All sediment that moves off-site due to construction activity will be cleaned up before the end of the same workday.
- All sediment that moves off-site due to storm events will be cleaned up before the end of the next workday.
- Gravel access drives will be maintained throughout construction.
- All installed erosion control practices will be maintained until the disturbed areas they protect are stabilized.

Agreement:

I hereby certify that I understand the construction site erosion control provisions of the Wisconsin Uniform Dwelling Code, and that I accept responsibility for carrying out the above erosion control plan as approved by the code enforcement authority.

Signature of applicant

Date

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Instructions:

1. Complete this plan by filling in requested information, completing the site diagram and marking (✓) appropriate boxes on the inside of this form.
2. In completing the site diagram, give consideration to potential erosion that may occur before, during, and after grading. Water runoff patterns can change significantly as a site is reshaped.
3. Submit this plan at the time of building permit application.

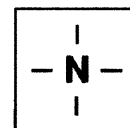
Site Diagram

Scale: 1 inch = _____ feet

EROSION CONTROL PLAN LEGEND

- PROPERTY LINE
- - - - - EXISTING DRAINAGE
- TD --- TEMPORARY DIVERSION
- FINISHED DRAINAGE
- - - - - LIMITS OF GRADING
- SILT FENCE
- STRAW BALES
- GRAVEL
- ① VEGETATION SPECIFICATION
- ⊗ TREE PRESERVATION
- STOCKPILED SOIL

Please indicate north by completing the arrow below.



PROJECT LOCATION _____

BUILDER _____ OWNER _____

WORKSHEET COMPLETED BY _____ DATE _____