Standard Erosion Control Plan

for 1- & 2-Family Dwelling Construction Sites

According to Chapters Comm 20 & 21 of the Wisconsin Uniform Dwelling Code, soil erosion control information needs to be included on the plot plan which is 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.

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.

PROJECT LOCATION _____

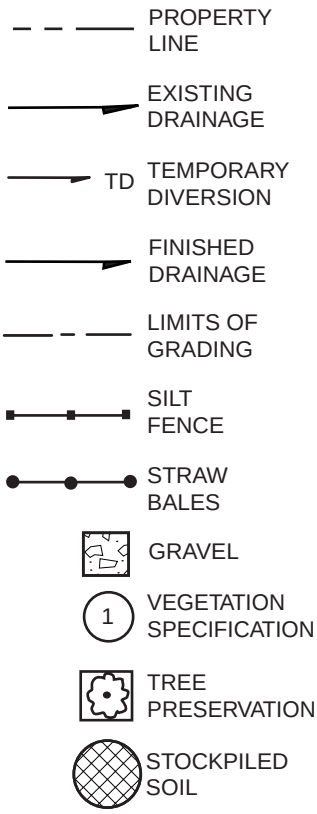
BUILDER _____ OWNER _____

WORKSHEET COMPLETED BY _____ DATE _____

SITE DIAGRAM **Scale: 1 inch = ____feet**

Please indicate north by completing the arrow.

EROSION CONTROL PLAN LEGEND



EROSION CONTROL PLAN CHECKLIST

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.
❒		Location of existing and proposed buildings and paved areas.
❒		The disturbed area on the lot.
❒		Approximate gradient and direction of slopes before grading operations.
❒		Approximate gradient and direction of slopes after grading operations.
❒	❒	Overland runoff (sheet flow) coming onto the site from adjacent areas.
		Erosion Control Practices
❒	❒	Location of temporary soil storage piles. Note: Soil storage piles should be placed behind a sediment fence, a 10 foot wide vegetative strip, or should be covered with a tarp or more than 25 feet from any downslope road or drainageway.
❒		Location of access drive(s). Note: Access drive should have 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 (whichever is less).
❒	❒	Location of sediment controls (filter fabric fence, straw bale fence or 10-foot-wide vegetative strip) 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 seeding with use of erosion control mats.
❒	❒	Location of practices that will control erosion on 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 (streams with year round flow).
❒	❒	Location of other planned practices not already noted.

COMPLETED	NOT APPLICABLE	
		Indicate management strategy by checking (✔) the appropriate box.

Management Strategies

COMPLETED	NOT APPLICABLE	
❒	❒	Temporary stabilization of disturbed areas. Note: It is recommended that disturbed areas and soil piles left inactive for extended periods of time be stabilized by seeding (between April 1 and September 15), or by other cover, such as tarping or mulching.
❒		Permanent stabilization of site by re-vegetation or other means as soon as possible (lawn establishment). • Indicate re-vegetation method: ❒ Seed ❒ Sod ❒ Other _____ • Expected date of permanent re-vegetation: _____ • Re-vegetation responsibility of: ❒ Builder ❒ Owner/Buyer • Is temporary seeding or mulching planned if site is not seeded by Sept. 15 or sodded by Nov. 15? ❒ Yes ❒ No
❒	❒	Use of downspout and/or sump pump outlet extensions. Note: It is recommended that flow from downspouts and sump pump outlets be routed through plastic drainage pipe to stable areas such as established sod or pavement.
❒	❒	Trapping sediment during de-watering operations. Note: Sediment-laden discharge water from pumping operations should 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 by wind or water.
❒		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 height o f the barrier. • 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. • Access drives will be maintained throughout construction. • All installed erosion control practices will be maintained until the disturbed areas they protect are stabilized.

EROSION CONTROL REGULATIONS

Erosion control and stormwater regulations can be complex. Local, state and, in some cases, federal regulations may apply. Before construction make sure you have the appropriate permits.

LOCAL ORDINANCES

Check with your county, city, village, or town for any local erosion control ordinances including shoreland zoning requirements. Except for new 1- & 2-family dwellings, local ordinances may be more strict than state regulations. They may also require erosion control on construction projects not affected by state or federal regulations.

UNIFORM DWELLING CODE (DEPT. OF COMMERCE)

CONTROLS REQUIRED

- Silt fences, straw bales, or other approved perimeter measures along downslope sides and side slopes.
- Access drive.
- Straw bales, filter fabric fences or other barriers to protect on-site sewer inlets.
- Additional controls if needed for steep slopes or other special conditions.

FOR MORE INFORMATION, CONTACT:

- Local building inspector
- Department of Commerce, Safety and Buildings Division, P.O. Box 7970, Madison, Wis. 53707-7970, (608) 267-5113.

STORMWATER PERMIT (DEPT. OF NATURAL RESOURCES)

CONTROLS REQUIRED

- Erosion control measures specified in the *Wisconsin Construction Site Best Management Practice Handbook*.
- Measures to control storm water after construction.

FOR MORE INFORMATION, CONTACT

- Department of Natural Resources, Storm Water Permits, P.O. 7921, Madison, WI 53707-7921, (608) 267-7694.

For more assistance on plan preparation, refer to the Wisconsin Uniform Dwelling Code, the DNR *Wisconsin Construction Site Best Management Handbook,* and UW–Extension publication *Erosion Control for Home Builders*. The *Wisconsin Uniform Dwelling Code* and the *Wisconsin Construction Site Best Management Handbook* are available through the State of Wisconsin Document Sales, (608) 266-3358.

Erosion Control for Home Builders (GWQ001) can be ordered through Extension Publications, (608) 262-3346 or the Department of Commerce, (608) 267-4405. A PDF version of *Erosion Control for Home Builders* (GWQ001) and *Standard Erosion Control Plan* are also available at http://clean-water.uwex.edu/pubs/sheets

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