



WISCONSIN DEPARTMENT OF NATURAL RESOURCES NOTICE OF FINAL GUIDANCE & CERTIFICATION

Pursuant to ch. 227, Wis. Stats., the Wisconsin Department of Natural Resources has finalized and hereby certifies the following guidance document.

DOCUMENT ID

WW-19-0069-C

DOCUMENT TITLE

SAMPLE V ZONE DESIGN CERTIFICATE

PROGRAM/BUREAU

WATERWAYS PROGRAM

STATUTORY AUTHORITY OR LEGAL CITATION

Federal Code 44 CFR 60.3 – related State Codes, Statutes Chapter 87.30 and Administrative Code NR116

DATE SENT TO LEGISLATIVE REFERENCE BUREAU (FOR PUBLIC COMMENTS)

11/25/19

DATE FINALIZED

12/23/19

DNR CERTIFICATION

I have reviewed this guidance document or proposed guidance document and I certify that it complies with sections 227.10 and 227.11 of the Wisconsin Statutes. I further certify that the guidance document or proposed guidance document contains no standard, requirement, or threshold that is not explicitly required or explicitly permitted by a statute or a rule that has been lawfully promulgated. I further certify that the guidance document or proposed guidance document contains no standard, requirement, or threshold that is more restrictive than a standard, requirement, or threshold contained in the Wisconsin Statutes.

12/16/19

Signature

Date

SAMPLE V ZONE DESIGN CERTIFICATE

Name _____ Policy Number (*Insurance Co. Use*) _____

Building Address or Other Description _____

Permit No. _____ City _____ State _____ Zip Code _____

SECTION I: Flood Insurance Rate Map (FIRM) Information

Community No. _____ Panel No. _____ Suffix _____ FIRM Date _____ FIRM Zone(s) _____

SECTION II: Elevation Information Used for Design

[NOTE: This section documents elevations used in the design – it does not substitute for an Elevation Certificate.]

1. Elevation of the Bottom of Lowest Horizontal Structural Member _____ feet (NAVD88)
2. Base Flood Elevation (BFE)..... _____ feet (NAVD88)
3. Elevation of Lowest Adjacent Grade _____ feet (NAVD88)
4. Approximate Depth of Anticipated Scour/Erosion used for Foundation Design..... _____ feet (NAVD88)
5. Embedment Depth of Pilings or Foundation Below Lowest Adjacent Grade..... _____ feet (NAVD88)

SECTION III: V Zone Design Certification Statement

[NOTE. This section must be certified by a registered engineer or architect.]

I certify that: (1) I have developed or reviewed the structural design, plans, and specifications for construction and (2) that the design and methods of construction to be used are in accordance with accepted standards of practice for meeting the following provisions:

The bottom of the lowest horizontal structural member of the lowest floor (excluding piles and columns) is elevated to or above the BFE; and

The pile and column foundation and structure attached thereto is anchored to resist flotation, collapse, and lateral movement due to the effects of the wind and water loads acting simultaneously on all building components. Water loading values used are those associated with the base flood. Wind loading values used are those required by the applicable State or local building code. The potential for scour and erosion at the foundation has been anticipated for conditions associated with the base flood, including wave action.

SECTION IV: Breakaway Wall Design Certification Statement

[NOTE. This section must also be certified by a registered engineer or architect when breakaway walls exceed a design safe loading resistance of 20 pounds per square foot.]

I certify that (1) I have developed or reviewed the structural design, plans, and specifications for construction and (2) that the design and methods of construction to be used for the breakaway walls are in accordance with accepted standards of practice for meeting the following provisions:

Breakaway wall collapse shall result from a water load less than that which would occur during the base flood; and

The elevated portion of the building and supporting foundation system shall not be subject to collapse, displacement, or other structural damage due to the effects of wind and water loads acting simultaneously on all building components (wind and water loading values to be used are defined in Section III).

SECTION V: Certification and Seal

This certification is to be signed and sealed by a registered professional engineer or architect authorized by law to certify structural designs. *I certify the V Zone Design Certification Statement in Section III and the Breakaway Wall Design Certification Statement in Section IV (if applicable).*

Certifier's Name License Number

Title Company Name

Address City State ZIP

Signature Date Telephone

Place Seal Here