

BUILDER CERTIFICATION  
FOR  
STRUCTURES WITH A BASEMENT OR CRAWL SPACE  
VALLEY SHORES SUBDIVISION  
VALLEY, NEBRASKA

I, \_\_\_\_\_, hereby certify to the City of Valley that the plans being submitted for building permit at \_\_\_\_\_ on Lot \_\_\_\_\_, Valley Shores comply with the parameters for dwellings with a basement or crawl space listed in Item No. 1 of the Thompson Dreessen & Dornier, Inc. letter dated January 27, 2006 to the City of Valley. These specific parameters are as follows:

- The ground surface around the building and within a setback distance of 20 feet must be at elevation 1146.0 or above.
- The lowest basement or crawl space floor elevation must be not less than 1142.3 (USGS).
- A granular drainage layer is installed beneath the floor slab.
- A sump pump / drainage pipe system is installed that will discharge at least 30 gpm to a discharge point above elevation 1147.0 (USGS).
- The drainage system must be equipped with a positive means of preventing backflow.
- Foundation Wall Reinforcement is in accordance with the attached supplement to IRC Table R404.1.1(2).
- The sump pump must be equipped with a back-up power system.
- Window wells required for ingress/egress work associated with a basement bedroom or habitable area shall have the lowest opening of the top of the well at or above elevation 1147.0.
- Window wells required for ingress/egress work associated with a basement bedroom or habitable area shall be integral part of the foundation whenever possible. If not possible, a "leak-proof" design shall be furnished to the City signed by an engineer registered to practice in the State of Nebraska.
- All mechanical equipment, electrical switches, electrical receptacles, and other flood-sensitive dwelling equipment in basements or crawl spaces with a floor elevation of less than 1142.3 (USGS) or mounted below elevation 1147.0 (USGS) should be certified as suitable in that environment by the professional mechanical or electrical engineer involved with the equipment selection.
- Normal waterproofing measures are taken.
- Any plumbing line with openings at or below elevation 1147.0 must be equipped with backflow devices.
- The lowest opening (door, window, top of stairwell, window well, etc.) shall be above elevation 1147.0 (USGS).

I understand that a dwelling constructed with the previously listed parameters will be considered reasonably safe from flooding as defined in FEMA Technical Bulletin 10-01 – Ensuring that Structures Built on Fill In or Near Special Flood Hazard Areas Are Reasonably Safe From Flooding - Simplified Approach Design Requirements.

I further understand that the basement for a dwelling that does not meet the previously listed parameters must be designed in accordance with the “Engineered Basement Option” as listed in FEMA Technical Bulletin 10-01 and an engineer registered in the State of Nebraska must design waterproofing measures.

\_\_\_\_\_  
Company or Individual                      Address:                      \_\_\_\_\_

By: \_\_\_\_\_  
          (Signature)    \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
Telephone No.        /        Facsimile No.