**Supplemental Data For Grading/Building Permit in Floodplain**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| PID | | Project Address or Coordinates | | | | |
| A. General Information | | | | | | | |
| **1. Applicant’s Name (Last, First, M.I.)** | | | | | **2. Phone** | **3. Email** | |
| **4. Applicant Address** | | | | | | | |
| B. Project Information | | | | | | | |
| **1. Floodplain District**  Floodway  Flood Fringe  General Floodplain (attach how project site was determined to be flood fringe or floodway) | | **3. Type of Structure**  Residence  Accessory Structure  Square Feet \_\_\_\_\_\_\_\_\_\_  Commercial / Office  Warehouse / Industrial  Shed / Storage  Deck  Other (specify below)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | 4. Regulatory Flood Protection Elevation (RFPE) Calculation  (to nearest one-tenth foot)  a. Base Flood (100-yr)  Elevation**\*** = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ft  b. Floodway stage  increase **=** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ft  c. Freeboard required  by ordinance **= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** ft  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** RFPE (add a, b & c) **= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Datum:**  NGVD, 1929  NAVD, 1988  Assumed / other (give reference datum) \_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **\* 100-yr source:**  Flood Insurance Study (attach determination)  Other (specify & attach supporting information)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
| **2. Type of Project**  New Construction  Addition  Repair / Maintenance  Fence  Fill / Grading  Culvert/Crossing  Other (specify below)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | **5. Zoning**  Permitted  ------------------------------------  CUP  Variance  Date:  Hearing \_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_  DNR notified\_\_\_\_\_\_\_\_\_\_\_ | |
| C. Construction Information | | | | | | | |
| **1**. **Structure Elevation Requirements** Proposed Required  a. Top of bottom floor (including basement, crawl space,  or enclosed floor) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_\_\_\_\_\_\_  b. Top of next higher floor = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_\_\_\_\_\_\_  c. Attached garage (top of slab) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_\_\_\_\_\_\_  d. Lowest elevation of machinery or equipment servicing the  building (describe type of equipment \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_\_\_\_\_\_\_  e. Lowest adjacent (finished) grade (LAG): = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_\_\_\_\_\_\_  f. Lowest compacted fill elevation at 15 feet from building: = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_\_\_\_\_\_\_  g. Low point of access/road: = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | |
| **2. Project Cost Factors for additions, improvements or repairs / maintenance (for Nonconforming Structures)**  a. Cost of Improvements (including cost of labor and all supplies): $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  b. Cost of Repairs / Maintenance (including cost of labor and all supplies): $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  c. Cost of Previous Improvements (in current $) after date of first Flood  Insurance Rate Map: $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  d. Total Cost of Improvements plus current repairs/maintenance $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (add a., b. and c.)  e. Estimated Market Value of Existing Structure (not including land value),  without any improvements done after the date of first FIRM: $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  f. Percentage Cost of Improvements (c. divided by e) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ % | | | | | | |
| **I hereby certify with my signature that all data on my application forms,**  **plans and specifications are true and correct to the best of my knowledge: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Signature of Applicant Date** | | | | | | |

|  |  |
| --- | --- |
| PID | Project Address or Coordinates |

**ELEVATION CERTIFICATION (AS BUILT)**

|  |
| --- |
| 1. **Benchmark/Reference Mark Information**; the elevations cited herein are based on the following described benchmark (BM): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_    **BM elevation is in:**  NGVD, 1929  NAVD, 1988  Local or Assumed Datum (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Regulatory Flood Protection (RFPE) elevation is in:**  NGVD, 1929  NAVD, 1988  Local or Assumed Datum (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **If the BM & RFPE are in a different datum, conversion factor is** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  2. **Structure:** Required By Ordinance Actual As-Built  a. Top of bottom floor (including basement, crawl space,  or enclosed floor) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_\_\_\_\_\_\_  b. Top of next higher floor = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_\_\_\_\_\_\_  c. Attached garage (top of slab) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_\_\_\_\_\_\_  d. Lowest elevation of machinery or equipment servicing the  building (describe type of equipment \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_\_\_\_\_\_\_  e. Lowest adjacent (finished) grade (LAG): = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_\_\_\_\_\_\_  3. **Lowest compacted fill elevation at 15 feet from building:** = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_\_\_\_\_\_\_  4**. Low point of access/road**: = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_\_\_\_\_\_\_  5. **For a building with a crawl space or enclosure(s) provide:**  a) Square footage of crawl space or enclosure(s) \_\_\_\_\_\_\_\_ sq ft c) Total net area of flood openings in 5.(b) \_\_\_\_\_\_\_\_ sq in  b) No. of permanent flood openings in the crawl space or enclosures(s) walls within 1.0 foot above adjacent grade \_\_\_\_\_\_\_\_\_  6. **For a building with a detached garage, provide:**  a) Square footage of detached garage \_\_\_\_\_\_\_\_\_ sq ft c) Total net area of flood openings in 6.(b) \_\_\_\_\_\_\_\_ sq in  b) No. of permanent flood openings in the detached garage walls within 1.0 foot above adjacent grade \_\_\_\_\_\_\_\_\_\_  **- CERTIFICATION -**  I, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, hereby certify that, to the best of my knowledge, information and  (print or type name)  belief, the subject structure is constructed in accordance with the elevations stated immediately above.  Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Registration No. (\*):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \*(Only necessary if local ordinance requires certification by registered professional engineer or registered surveyor) |

### FLOOD PROOFING CERTIFICATION

|  |
| --- |
| I, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, hereby certify that I am a registered  engineer or  (print or type name)  architect, and that, to the best of my knowledge, information and belief, the subject structure is constructed in accordance with the approved plans and specifications which accompanied the above referenced Zoning Application and/or Zoning Permit and the subject structure meets the criteria and standards for  FP1,  FP2,  FP3,  FP4 flood proofing as well as all local ordinances and the State Building Code where applicable.  Elevation to which structure is flood proofed: Required = \_\_\_\_\_\_\_\_\_\_\_\_\_ Actual As-Built = \_\_\_\_\_\_\_\_\_\_\_\_\_  Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Registration No.:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |