





**SECTION E CERTIFICATION**

This certification is to be signed by a land surveyor, engineer, or architect who is authorized by state or local law to certify elevation information when the elevation information for Zones A1–A30, AE, AH, A (with BFE), V1–V30, VE, and V (with BFE) is required. Community officials who are authorized by local law or ordinance to provide floodplain management information, may also sign the certification. In the case of Zones AO and A (without a FEMA or community issued BFE), a building official, a property owner, or an owner's representative may also sign the certification.

Reference level diagrams 6, 7 and 8 - Distinguishing Features—If the certifier is unable to certify to breakaway/non-breakaway wall, enclosure size, location of servicing equipment, area use, wall openings, or unfinished area Feature(s), then list the Feature(s) not included in the certification under Comments below. The diagram number, Section C, Item 1, must still be entered.

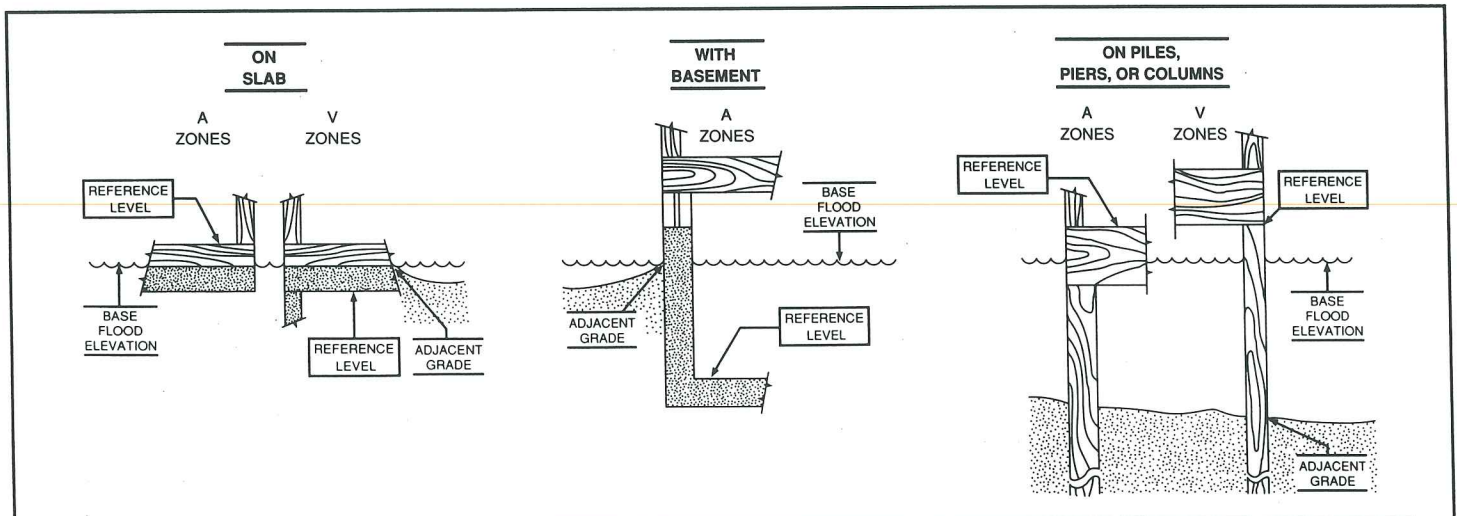
*I certify that the information in Sections B and C on this certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.*

|   |  |
|---|--|
| CERTIFIER'S NAME<br>Bob Chan            | LICENSE NUMBER (or Affix Seal)<br>LS5412             |
| TITLE<br>Operations Manager             | COMPANY NAME<br>MacKay & Somps Civil Engineers, Inc. |
| ADDRESS<br>5142 Franklin Drive, Suite B | CITY<br>Pleasanton                                   |
| SIGNATURE<br>                           | DATE<br>12/21/98                                     |
|   | PHONE<br>(925) 225-0690                              |



**Copies should be made of this Certificate for: 1) community official, 2) insurance agent/company, and 3) building owner.**

**COMMENTS:** #3 Elevation datum per City of Fremont elevation datum which is based on the National Geodetic Survey benchmarks. The National Geodetic Survey benchmarks were derived from the National Geodetic Vertical Datum of 1929 (NGVD), therefore, no conversation is necessary.



The diagrams above illustrate the points at which the elevations should be measured in A Zones and V Zones. Elevations for all A Zones should be measured at the top of the reference level floor. Elevations for all V Zones should be measured at the bottom of the lowest horizontal structural member.

PUBLIC BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average .63 hour per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing and reviewing the form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden, to: Information Collections Management, Federal Emergency Management Agency, 500 C Street, S.W., Washington, DC 20472: and to the Office of Management and Budget, Paperwork Reduction Project (3067-0147), Washington, DC 20503.

This form must be completed by a licensed land surveyor or registered professional engineer. These forms should not be used for requests involving Channelization, Bridges/Culverts, or Fill in the FEMA-Designated Floodway. Forms entitled Revisions to National Flood Insurance Program Maps (MT-2) should be used. The Elevation Information Form must be included for all request, unless the request is for a determination in which the FIRM already shows the property to be CLEARLY outside the SFHA. Cases in which the determination for the property or structure is uncertain will require the submittal of elevation data to provide a definitive determination. If an elevation certificate has been completed for the subject property it may be submitted in lieu of this form.

(See page 7 of instructions for details)

1. Community Name: Fremont, California
2. Legal Description of Property: Lot 25 of Tract 4316, Bk 129 Maps Page 72 thru 78 Alameda County Records
3. Flooding Source: ALAMEDA COUNTY FLOOD CONTROL CHANNEL (LINE K, ZONE 5)
4. Based on the FIRM, this property is located in Zone(s) A1
5. Is any portion of this property located in the regulatory floodway?  Yes  No  
Are any structures (existing or proposed) located in the regulatory floodway  Yes  No
6. Is this area subject to land subsidence or uplift?  Yes  No, If yes, what is the date of the current releveling? \_\_\_\_\_
7. What is the BFE for this property? (Provide elevation to nearest tenth of a foot and datum)\*  
14.5 Elevation NGVD 1929 Datum
8. How was the BFE determined? (attach a copy of the Flood Profile or table from the FIS report, if appropriate, or other necessary supporting information including Form 3 and 4 from forms entitled, "Revisions to National Flood Insurance Program Maps" (MT-2)).  
BFE of elevation 14.5 was determined from flood insurance rate map 065028 0004 B effective date May 2, 1983
9. If a flood profile for the 500-year flood was provided in the FIS Report, what is the 500-year flood elevation for this property? N/A Elevation N/A Datum
10. If this request is to remove the SFHA designation from a parcel of land or lot(s), what is the existing or proposed elevation of the lowest grade; that is, the lowest ground on the property? (Provide elevation to nearest tenth of a foot and datum)\* N/A Elevation NGVD 1929 Datum

11. If this request is to remove the SFHA designation from a structure(s), what is the elevation of the existing or proposed lowest adjacent grade; that is, the lowest ground touching the structure? (Provide elevation to nearest tenth of a foot and datum)\* 15.8 Elevation Datum
12. If fill has been/will be placed to elevate the structure(s) on this property, what is the existing or proposed elevation of the lowest floor, including basement and/or attached garage? (Provide elevation to nearest tenth of a foot and datum)\* N/A Elevation Datum
13. If any of the above elevations were computed based on a datum different than the effective FIS, what is the conversion factor? FIS Datum = Local Datum +/- N/A Feet

•For multiple lots/structures, complete the appropriate column(s) of the Summary of Elevations-Individual Lot Breakdown form, identifying the elevation for each lot/structure. To support item 9, 10, and 11, please note a map (certified by a licensed surveyor or registered professional engineer) may be required to relate the ground elevations and locations of structures or lots. The map should indicate whether it reflects "as-built" or "proposed" conditions.

14. All information submitted in support of this request is correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.

Name: Bob Chan  
(please print or type)

Title: Operations Manager  
(please print or type)

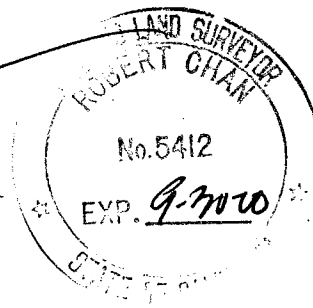
Registration No. LS5412 Expiration Date 9/30/00

State California

Telephone Number: (925) 225-0690

Signature

12/21/98  
Date



Seal (Optional)