Federal Emergency Management Agency  
Washington, D.C. 20472  

LETTER OF MAP REVISION BASED ON FILL DETERMINATION DOCUMENT (REMOVAL)  

COMMUNITY AND MAP PANEL INFORMATION  

COMMUNITY  
CITY OF WOODLAND, COWLITZ COUNTY, WASHINGTON  

COMMUNITY NO.: 530035  

AFFECTED MAP PANEL  
NUMBER: 5300320285D  
DATE: 9/23/1989  

FLOODING SOURCE: LEWIS RIVER  
APPROXIMATE LATITUDE & LONGITUDE OF PROPERTY: 45.923, -122.738  
SOURCE OF LAT & LONG: GOOGLE EARTH PRO  
DATUM: NAD 83  

DETERMINATION  

<table>
<thead>
<tr>
<th>LOT</th>
<th>BLOCK/SECTION</th>
<th>SUBDIVISION</th>
<th>STREET</th>
<th>OUTCOME WHAT IS REMOVED FROM THE SFHA</th>
<th>FLOOD ZONE</th>
<th>1% ANNUAL CHANCE FLOOD ELEVATION (NGVD 29)</th>
<th>LOWEST ADJACENT GRADE ELEVATION (NGVD 29)</th>
<th>LOWEST LOT ELEVATION (NGVD 29)</th>
</tr>
</thead>
<tbody>
<tr>
<td>28</td>
<td>--</td>
<td>Meriwether Phase 1</td>
<td>335 Hillshire Drive</td>
<td>Structure (Residence)</td>
<td>B</td>
<td>--</td>
<td>35.5 feet</td>
<td>--</td>
</tr>
</tbody>
</table>

Special Flood Hazard Area (SFHA) - The SFHA is an area that would be inundated by the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood).  

ADDITIONAL CONSIDERATIONS (Please refer to the appropriate section on Attachment 1 for the additional considerations listed below.)  

PORTIONS REMAIN IN THE SFHA  
ANNEXATION  
STUDY UNDERWAY  

This document provides the Federal Emergency Management Agency's determination regarding a request for a Letter of Map Revision based on Fill for the property described above. Using the information submitted and the effective National Flood Insurance Program (NFIP) map, we have determined that the structure(s) on the property(ies) is/are not located in the SFHA, an area inundated by the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood). This document revises the effective NFIP map to remove the subject property from the SFHA located on the effective NFIP map; therefore, the Federal mandatory flood insurance requirement does not apply. However, the lender has the option to continue the flood insurance requirement to protect its financial risk on the loan. A Preferred Risk Policy (PRP) is available for buildings located outside the SFHA. Information about the PRP and how one can apply is enclosed.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at (877) 336-2627 (877-FEMA MAP) or by letter addressed to the Federal Emergency Management Agency, LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605.

Luis Rodriguez, P.E., Chief  
Engineering Management Branch  
Federal Insurance and Mitigation Administration
LETTER OF MAP REVISION BASED ON FILL
DETERMINATION DOCUMENT (REMOVAL)
ATTACHMENT 1 (ADDITIONAL CONSIDERATIONS)

PORTIONS OF THE PROPERTY REMAIN IN THE SFHA (This Additional Consideration applies to the preceding 1 Property.)
Portions of this property, but not the subject of the Determination/Comment document, may remain in the Special Flood Hazard Area. Therefore, any future construction or substantial improvement on the property remains subject to Federal, State/Commonwealth, and local regulations for floodplain management.

ANNEXATION (This Additional Consideration applies to the preceding 1 Property.)
Although the subject of this determination is shown on the National Flood Insurance Program map as being located in a community other than the community indicated on the Determination/Comment Document, it has been annexed by the community referenced therein.

STUDY UNDERWAY (This Additional Consideration applies to all properties in the LOMR-F DETERMINATION DOCUMENT (REMOVAL))
This determination is based on the flood data presently available. However, the Federal Emergency Management Agency is currently revising the National Flood Insurance Program (NFIP) map for the community. New flood data could be generated that may affect this property. When the new NFIP map is issued it will supersede this determination. The Federal requirement for the purchase of flood insurance will then be based on the newly revised NFIP map.

This attachment provides additional information regarding this request. If you have any questions about this attachment, please contact the FEMA Map Assistance Center toll free at (877) 338-2627 (877-FEMA MAP) or by letter addressed to the Federal Emergency Management Agency, LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605.

Luis Rodriguez, P.E., Chief
Engineering Management Branch
Federal Insurance and Mitigation Administration
### SECTION A - PROPERTY INFORMATION

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Zip Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Owner's Name</td>
<td>335 Hillshire Drive</td>
<td>98674</td>
</tr>
<tr>
<td>City</td>
<td>Woodland</td>
<td>State</td>
</tr>
</tbody>
</table>

**Lot Information:**
- Lot 28, Meriweather Subdivision, Assessor's Parcel No. 507060117
- Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
- Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.): Residential
- Latitude/Longitude: Lat. 45° 55' 29.08" Long. -122° 44' 16.21"
- Horizontal Datum: NAD 1983

**A. Building Elevations**
- For a building with a crawlspace or enclosure(s):
  - a) Square footage of crawlspace or enclosure(s): 1360 sq ft
  - b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade: 24
  - c) Total net area of flood openings in A.B.: 2880 sq in
  - d) Engineered flood openings? Yes

**A.9. Building Elevations**
- For a building with an attached garage:
  - a) Square footage of attached garage: 830 sq ft
  - b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade: 0
  - c) Total net area of flood openings in A.B.: 0 sq in
  - d) Engineered flood openings? No

### SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

- B1. NFIP Community Name & Community Number: Cowell 530032
- B2. County Name: Cowell 530032
- B3. State: WA

**B.4. Map/Panel Number:** 0285
**B.5. Suffix:** D
**B.6. FIRM Index Date:** Dec. 20, 2001
**B.7. FIRM Panel Effective/Revised Date:** 09/29/69

**B.8. Flood Zone(s):**
- A15

**B.9. Base Flood Elevation(s) (Zone AO, use base flood depth):** 33.3

**B.10. Indicator of the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9:**
- FIS Profile
- FIRM
- Community Determined
- Other (Describe)

**B.11. Indicate elevation datum used for BFE in Item B9:**
- NAVD 1988
- Other (Describe)

**B.12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?**
- Yes

**B.13. Designation Date:**
- CBRS
- OPA

### SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

**C.1. Building Elevations are based on:**
- Construction Drawings
- Building Under Construction
- Finished Construction


**Conversion/Comments:**

<table>
<thead>
<tr>
<th>Item</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Top of bottom floor (including basement, crawlspace, or enclosure floor)</td>
<td>34.5 feet</td>
</tr>
<tr>
<td>b) Top of the next higher floor</td>
<td>37.3 feet</td>
</tr>
<tr>
<td>c) Bottom of the lowest horizontal structural member (V Zones only)</td>
<td>NA</td>
</tr>
<tr>
<td>d) Attached garage (top of slab)</td>
<td>36.3 feet</td>
</tr>
<tr>
<td>e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)</td>
<td>36.2 feet</td>
</tr>
<tr>
<td>f) Lowest adjacent (finished) grade next to building (LAG)</td>
<td>35.6 feet</td>
</tr>
<tr>
<td>g) Highest adjacent (finished) grade next to building (HAG)</td>
<td>36.3 feet</td>
</tr>
<tr>
<td>h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support</td>
<td>NA</td>
</tr>
</tbody>
</table>

**Check the measurement used.**
- Feet
- Meters (Puerto Rico only)

**C.3. Benchmark Utilized:** Vertical Datum RM4

### SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

**Certifier's Name:** Howard S. Richardson
**Company Name:** Olson Engineering, Inc.
**License Number:** 38465
**Title:** PLS
**Address:** 1111 Broadway, Vancouver, WA 98660
**City:** Vancouver, State WA, ZIP Code: 98660

**Signature:**

**Date:** 11/01/12
**Telephone:** 360-695-1385

**Replaces all previous editions**
SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments: A5 was determined using GOOGLE EARTH and field verified. C2e is the elevation on the heat pump pad.

Signature: [Signature]
Date: 11/01/12

SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1-E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1-E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

E1. Provide elevation information for the following check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
   a) Top of bottom floor (including basement, crawl space, or enclosure) is _______ feet _______ meters above or _______ below the HAG.
   b) Top of bottom floor (including basement, crawl space, or enclosure) is _______ feet _______ meters above or _______ below the LAG.

E2. For Building Diagrams 5-9 with permanent flood openings provided in Section A Items 8 and 9 (see pages 8-9 of instructions), the next higher floor (elevation C2b in the diagrams) of the building is _______ feet _______ meters above or _______ below the HAG.

E3. Attached garage (top of slab) is _______ feet _______ meters above or _______ below the HAG.

E4. Top of platform of machinery and/or equipment servicing the building is _______ feet _______ meters above or _______ below the HAG.

E5. ZONE AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? YES NO Unknown. The local official must certify this information in Section G.

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner's or Owner's Authorized Representative's Name

Address: [Address]
City: [City]
State: [State]
ZIP Code: [ZIP Code]
Signature: [Signature]
Date: [Date]
Telephone: [Telephone]

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8 and G9.

G1. [ ] The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)

G2. [ ] A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.

G3. [ ] The following information (Items G4-G9) is provided for community floodplain management purposes.

G4. Permit Number: [G4]
G5. Date Permit Issued: [G5]
G6. Date Certificate of Compliance/Occupancy Issued: [G6]

G7. This permit has been issued for: [ ] New Construction [ ] Substantial Improvement

G8. Elevation of as-built lowest floor (including basement) of the building: _______ feet _______ meters (PR) Datum _______

G9. BFE or (in Zone AO) depth of flooding at the building site: _______ feet _______ meters (PR) Datum _______

G10. Community's design flood elevation: _______ feet _______ meters (PR) Datum _______

Local Official's Name: [Local Official's Name]
Title: [Title]
Community Name: [Community Name]
Telephone: [Telephone]
Signature: [Signature]
Date: [Date]
Comments: [Comments]

[ ] Check here if attachments

FEMA Form 81-31, Mar 09
Replaces all previous editions
Building Photographs
See Instructions for Item A6.

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least two building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." If submitting more photographs than will fit on this page, use the Continuation Page, following.

FRONT VIEW

REAR VIEW