

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expires March 31, 2012

Important: Read the instructions on pages 1-9.

COPY

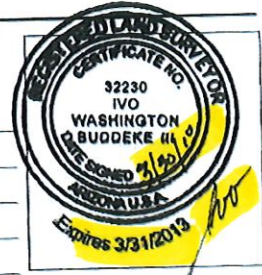
SECTION A - PROPERTY INFORMATION		For Insurance Company Use:
A1. Building Owner's Name LINDA FREHSE	Policy Number	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 3535 EAST RIMROCK DRIVE,	Company NAIC Number	
City RIMROCK State AZ ZIP Code 86335		
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) LOT 23, BEAVER VISTA UNIT 3 TAX PARCEL NUMBER 405-08-133		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) RESIDENTIAL		
A5. Latitude/Longitude: Lat 34°37'49.9" N Long 111°47'21.4" W		Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.		
A7. Building Diagram Number Z ← <i>CORRECT FOR CLASS.</i>		
A8. For a building with a crawlspace or enclosure(s):		A9. For a building with an attached garage:
a) Square footage of crawlspace or enclosure(s) N/A sq ft	a) Square footage of attached garage N/A sq ft	b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade _____
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade _____	c) Total net area of flood openings in A9 b) _____ sq in	d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No
c) Total net area of flood openings in A8 b) _____ sq in		
d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No		

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number YAVAPAI COUNTY 040093		B2. County Name YAVAPAI		B3. State ARIZONA	
B4. Map/Panel Number 04025C1845	B5. Suffix F	B6. FIRM Index Date JUNE 6, 2001	B7. FIRM Panel Effective/Revised Date JUNE 6, 2001	B8. Flood Zone(s) AE	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 3392.5
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9. <input checked="" type="checkbox"/> FIS Profile <input type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other (Describe) _____					
B11. Indicate elevation datum used for BFE in Item B9: <input checked="" type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other (Describe) _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

NEED TO HAVE FCD STAFF VERIFY

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)	
C1. Building elevations are based on: <input type="checkbox"/> Construction Drawings* <input type="checkbox"/> Building Under Construction* <input checked="" type="checkbox"/> Finished Construction	
*A new Elevation Certificate will be required when construction of the building is complete.	
C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2 a-h below according to the building diagram specified in Item A7. Use the same datum as the BFE. Benchmark Utilized RM128 Vertical Datum NGVD29 Conversion/Comments RM CHISELED X IN WALL - RUSSELL WASH <i>Remains</i>	
Check the measurement used.	
a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 3394.1	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
b) Top of the next higher floor 3394.6	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only) N/A	<input type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
d) Attached garage (top of slab) N/A	<input type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) 3394.0	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
f) Lowest adjacent (finished) grade next to building (LAG) 3393.8	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
g) Highest adjacent (finished) grade next to building (HAG) 3397.6	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support 3393.8	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION	
This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information 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. <input checked="" type="checkbox"/> Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Certifier's Name IVO W. BUDDEKE III	License Number 32230
Title OWNER	Company Name RIMROCK LAND SURVEYS
Address 5280 BENTLEY DRIVE	City RIMROCK State AZ ZIP Code 86335
Signature <i>Ivo W. Buddeke III</i>	Date 3-30-2010 Telephone 928-567-1414



M ALLEN to SUPPLY
5/21/2010
①

copy

IMPORTANT: In these spaces, copy the corresponding information from Section A.	For Insurance Company Use:
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 3535 EAST RIMROCK DRIVE	Policy Number
City RMROCK State AZ ZIP Code 86335	Company NAIC Number

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 HOUSE IS 2 STORY STRUCTURE WITH BLOCK FOUNDATION AND FURNACE ON ELEVATED PLATFORM WITHIN THE BUILDING IN THE GARAGE. GARAGE IS BENEATH HOUSE. THERE IS A LIVABLE AREA 0.4 FEET ABOVE THE GARAGE FLOOR. COOLER IS AT 3394.6, SIDE MOUNTED UNIT SECOND STORY ELEV AT 3403.5. WATER HEATER IS LOCATED WITHIN GARAGE BENEATH HOUSE WITH ELEV 3394.8

Signature [Signature] Date 3/30/2010 Check here if attachments

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 and 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, crawlspace, or enclosure) is _____ feet meters above or below the HAG.
 - b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the LAG.
- E2 For Building Diagrams 6-9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8-9 of Instructions), the next higher floor (elevation C2.b 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 _____ City _____ State _____ ZIP Code _____

Signature _____ Date _____ Telephone _____

Comments _____

Check here if attachments

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	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
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- 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 _____ Title _____

Community Name _____ Telephone _____

Signature _____ Date _____

Comments _____

Check here if attachments

YAVAPAI COUNTY FLOOD CONTROL DISTRICT
 500 South Marina St., Prescott, AZ 86303
 (928) 771-3196 FAX 771-3427
 10 South 6th St., Cottonwood, AZ 86326
 (928) 639-8151 FAX 639-8118

Parcel 405-28-133

Calculated By: MM

Checked By: _____

Date 6 May 2010

DETERMINATION OF REGULATORY FLOOD ELEVATION

Panel No. showing parcel 1845 & 2003 FIS Work Map

Regulatory Floodway Table Data

Profile Panel No. _____

<u>Location</u>	<u>Section No.</u>	<u>Base Flood Elev.</u>	<u>Sta.</u>
Upstream of Parcel	<u>A (Russell Wash)</u>	<u>3401.1</u>	<u>1300</u>
Downstream of Parcel	<u>3.734 (Intermediate) Wet Beaver Creek</u>	<u>3391.7</u>	
		<u>9.4</u>	
Difference			
Parcel (Projected to centerline)			

Distance of parcel from downstream reference section along flow path.

50

Projected to CL of Russell
90

Distance between reference sections along flow path
 (may be different than centerline station difference)

260

480

Base flood elev = DS Sec. elev + $\frac{\text{Dist. to parcel}}{\text{Dist. between sections}} \times \text{elev}$

$$= \underline{3391.7} + \left(\frac{50}{260}\right) \times \underline{9.4} = \underline{3393.5}$$

Regulatory elevation = Base flood elevation + 1.0'

$$= \underline{3393.5} + 1.0' = \underline{3394.5} \text{ Regulatory Elevation}$$

Visually checked against FIRM & Floodway map panel ✓

Visually checked against profile panel ✓

Comments: Parcel Lies outside Wet Beaver Creek FWA per LOMR 10/2003.

→ Use Russell Wash data due to breakout flow in Russell Wash where it enters Lake Montezuma subdivision.

USE BFE = 3393.5

F/ElevationCalculation

Projected to centerline calculation

$$3391.7 + \frac{90}{480} \times 9.4 = 3393.46$$

$$3393.46 + 1 = 3394.46$$