

# ELEVATION CERTIFICATE

OMB No. 1660-0008  
 Expires March 31, 2012

Important: Read the instructions on pages 1-9.

## SECTION A - PROPERTY INFORMATION

<b>A1. Building Owner's Name</b> Sarah Sumner	<b>For Insurance Company Use:</b>
	Policy Number
<b>A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.</b> 403 E. Blanco St.	Company NAIC Number
City Aztec State NM ZIP Code 87410	
<b>A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)</b> Lot 4, Colonel Williams Addition Subdivision Book 1400/Page795	
<b>A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.)</b> Residential	
<b>A5. Latitude/Longitude:</b> Lat. <u>36°49'20.63470N</u> Long. <u>107 59 26.96527W</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983	
<b>A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.</b>	
<b>A7. Building Diagram Number</b> 1	
<b>A8. For a building with a crawlspace or enclosure(s):</b>	<b>A9. For a building with an attached garage:</b>
a) Square footage of crawlspace or enclosure(s) <u>n/a</u> sq ft	a) Square footage of attached garage <u>n/a</u> sq ft
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>n/a</u>	b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>n/a</u>
c) Total net area of flood openings in A8.b <u>n/a</u> sq in	c) Total net area of flood openings in A9.b <u>n/a</u> sq in
d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No	d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No

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

<b>B1. NFIP Community Name &amp; Community Number</b> San Juan County and Incorporated Areas 35045C0750F		<b>B2. County Name</b> San Juan		<b>B3. State</b> NM	
<b>B4. Map/Panel Number</b> 0750	<b>B5. Suffix</b> F	<b>B6. FIRM Index Date</b> Preliminary 8/28/08	<b>B7. FIRM Panel Effective/Revised Date</b>	<b>B8. Flood Zone(s)</b> A	<b>B9. Base Flood Elevation(s) (Zone AO, use base flood depth)</b> N/A
<b>B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.</b> <input type="checkbox"/> FIS Profile <input type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other (Describe) _____					
<b>B11. Indicate elevation datum used for BFE in Item B9:</b> <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other (Describe) _____					
<b>B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

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

**C1. Building elevations are based on:**  Construction Drawings\*  Building Under Construction\*  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 opus Vertical Datum NAVD88  
 Conversion/Comments \_\_\_\_\_

Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor) <u>5663.33</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
b) Top of the next higher floor <u>n/a</u>	<input type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only) <u>n/a</u>	<input type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
d) Attached garage (top of slab) <u>n/a</u>	<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) <u>n/a</u>	<input type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
f) Lowest adjacent (finished) grade next to building (LAG) <u>5663.33</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
g) Highest adjacent (finished) grade next to building (HAG) <u>5663.33</u>	<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 <u>n/a</u>	<input 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.*   
 Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor?  Yes  No

Certifier's Name Scott Andrae	License Number 9625
Title Owner	Company Name Intermountain Mapping Serices, LLC
Address 1875 Hwy 170	City La Plata State NM ZIP Code 87418
Signature	Date 12/01/10 Telephone 505-325-5244



<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>	For Insurance Company Use:
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 2525 Glade Road	Policy Number
City FarmingtonState NM ZIP Code 87410	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 Elevation was deterined using OPUS and GEOID09

Signature	Date 12/01/10	<input checked="" type="checkbox"/> Check here if attachments
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**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 HAG.
- 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

# Building Photographs

See Instructions for Item A6.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 403 E. Blanco St.	For Insurance Company Use: Policy Number
City Aztec State NM ZIP Code 87410	Company NAIC Number
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 of Duplex looking North



# Building Photographs

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 403 E. Blanco St.	For Insurance Company Use: Policy Number
City Aztec State NM ZIP Code 87410	Company NAIC Number

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View."

Back of Duplex looking south





Scott W Andrae &lt;scottandrae@wildblue.net&gt;

## OPUS-RS solution : 59353340.DAT 000175217

1 message

opus &lt;opus@ngs.noaa.gov&gt;

Wed, Dec 1, 2010 at 3:03 PM

Reply-To: ngs.opus@noaa.gov

To: scottandrae@wildblue.net

FILE: 59353340.DAT 000175217

### NGS OPUS-RS SOLUTION REPORT

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USER: [scottandrae@wildblue.net](mailto:scottandrae@wildblue.net)

DATE: December 01, 2010

RINEX FILE: 5935334u.10o

TIME: 22:03:52 UTC

SOFTWARE: rsgps 1.35.1 RS29.prl 1.65 START: 2010/11/30 20:07:00

EPHEMERIS: igu16122.eph [ultra-rapid] STOP: 2010/11/30 20:23:20

NAV FILE: brdc3340.10n OBS USED: 1477 / 1477 : 100%

ANT NAME: TRM5800 QUALITY IND. 12.83/ 6.06

ARP HEIGHT: 2.072 NORMALIZED RMS: 0.314

REF FRAME: NAD\_83(CORS96)(EPOCH:2002.0000)

ITRF00 (EPOCH:2010.91464)

X: -1579285.344(m) 0.010(m) -1579286.099(m) 0.010(m)

Y: -4863190.563(m) 0.027(m) -4863189.230(m) 0.027(m)

Z: 3802656.063(m) 0.019(m) 3802655.946(m) 0.019(m)

LAT: 36 49 20.63470 0.007(m) 36 49 20.65177 0.007(m)

E LON: 252 0 33.03473 0.010(m) 252 0 32.98915 0.010(m)

W LON: 107 59 26.96527 0.010(m) 107 59 27.01085 0.010(m)

EL HGT: 1705.161(m) 0.032(m) 1704.263(m) 0.032(m)

ORTHO HGT: 1726.009(m) 0.036(m) [NAVD88 (Computed using GEOID09)]

#### UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (3003 NM W)

Northing (Y) [meters] 4079345.818 645784.908

Easting (X) [meters] 233236.215 815950.149

Convergence [degrees] -1.79356739 -0.09438988

Point Scale 1.00047679 0.99991910

Combined Factor 1.00020914 0.99965159

US NATIONAL GRID DESIGNATOR: 13SBA3323679345(NAD 83)

#### BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
AI0265	AZCN AZTEC CORS ARP	N365023.235	W1075439.422	7385.8
DH5816	P028 CHACOCNHP_NM2005 CORS ARP	N360154.048	W1075430.227	88079.2
DL3585	MC10 MONTROSE CORS ARP	N382720.136	W1075242.394	181582.9
DI3419	P012 MONTICELLOUT2006 CORS ARP	N380550.740	W1092001.762	184818.0
DH6918	MC05 MESA CNTY 05 COOP CORS ARP	N384422.383	W1080422.684	212956.2
DF4369	NMSF SANTA FE CORS ARP	N354025.623	W1055730.931	222775.8
DG7423	P036 ANGELFIRE_NM2004 CORS ARP	N362512.969	W1051737.110	245416.7

## NEAREST NGS PUBLISHED CONTROL POINT

GN0385 C 431 N364931. W1075930. 329.2

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

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