

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-8.

SECTION A - PROPERTY INFORMATION

A1. Building Owner's Name <u>Dorothy Torres</u>		For Insurance Company Use:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. <u>23 C.R. 5507</u>		Policy Number
City <u>Bloomfield</u> State <u>NM</u> ZIP Code <u>87413</u>		Company NAIC Number
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)		

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) residential

A5. Latitude/Longitude: Lat. 36°41'17.52872"N Long. 108°05'30.39455"W Horizontal Datum: NAD 1927 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 8

A8. For a building with a crawl space or enclosure(s), provide:

a) Square footage of crawl space or enclosure(s) 2142 sq ft

b) No. of permanent flood openings in the crawl space or enclosure(s) walls within 1.0 foot above adjacent grade 0

c) Total net area of flood openings in A8.b 0 sq in

A9. For a building with an attached garage, provide:

a) Square footage of attached garage _____ sq ft

b) No. of permanent flood openings in the attached garage walls within 1.0 foot above adjacent grade _____

c) Total net area of flood openings in A9.b _____ sq in

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number <u>San Juan County, NM Unincorporated Areas</u>		B2. County Name <u>San Juan</u>		B3. State <u>New Mexico</u>	
B4. Map/Panel Number <u>350064 0520</u>	B5. Suffix <u>B</u>	B6. FIRM Index Date <u>8/4/1988</u>	B7. FIRM Panel Effective/Revised Date	B8. Flood Zone(s) <u>AE</u>	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) <u>5335.50</u>

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.

FIS Profile FIRM Community Determined Other (Describe) _____

B11. Indicate elevation datum used for BFE in Item B9: NGVD 1929 NAVD 1988 Other (Describe) _____

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? Yes No

Designation Date _____ CBRS 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-g below according to the building diagram specified in Item A7.

Benchmark Utilized cors Vertical Datum navd88

Conversion/Comments -3.18 conversion from NAVD88 to NAVD29

Check the measurement used.

a) Top of bottom floor (including basement, crawl space, or enclosure floor) 5332.83 feet meters (Puerto Rico only)

b) Top of the next higher floor 5335.65 feet meters (Puerto Rico only)

c) Bottom of the lowest horizontal structural member (V Zones only) _____ feet meters (Puerto Rico only)

d) Attached garage (top of slab) _____ feet meters (Puerto Rico only)

e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment in Comments) _____ feet meters (Puerto Rico only)

f) Lowest adjacent (finished) grade (LAG) 5334.83 feet meters (Puerto Rico only)

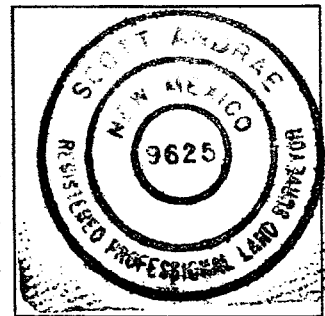
g) Highest adjacent (finished) grade (HAG) 5334.83 feet meters (Puerto Rico only)

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.

Certifier's Name <u>Scott Andrae</u>	License Number <u>NM 9625</u>
Title Owner _____	Company Name <u>Intermountain Mapping Services, LLC</u>
Address <u>1875 Highway 170</u>	City <u>La Plata</u> State <u>NM</u> ZIP Code <u>87418</u>
Signature _____	Date <u>11/16/2007</u> Telephone <u>325.5244</u>



NOTE: 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. 23 C.R. 5507	Policy Number
City Bloomfield State NM ZIP Code 87413	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 NGS OPUS solution was use to determine horizontal coordinates and elevation. This resulted in an NAVD88 elevation, NGS conversion of -3.18ft (0.97m)was then used to compare to the FIRM. All elevations given are in NAVD29

Signature	Date	<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, 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 6-8 with permanent flood openings provided in Section A Items 8 and/or 9 (see page 8 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 _____

Local Official's Name	Title
Community Name	Telephone
Signature	Date
Comments	

Check here if attachments

Current Folder: INBOX

Welcome: scottandrae

Message List Delete



Forward Reply Reply All

Subject: OPUS-RS solution : 70913200.DAT 000066865
From: opus@ngs.noaa.gov
Date: Fri, November 16, 2007 5:20 pm
To: scottandrae@wildblue.net
Priority: Normal
Options: View Full Header | View Printable Version

FILE: 70913200.DAT 000066865

2005 NOTE: The IGS precise and IGS rapid orbits were not available
2005 at processing time. The IGS ultra-rapid orbit was/will be used to
2005 process the data.

2005 Warning!!! OPUS-RS was able to find a set of reference stations
6011 with data suitable for use with your dataset. However, your
6011 position does not fall within the polygon enclosing these reference
6011 stations. This means that the geographic interpolation algorithms
6011 performed within OPUS-RS must instead perform extrapolation.
6011 Extrapolation, especially if your position is far from the
6011 reference stations, is prone to error. Use this solution with
6011 caution.

Your station is 22.5 KM outside the polygon enclosing the reference
stations.

NGS OPUS-RS SOLUTION REPORT
=====

USER: scottandrae@wildblue.net DATE: November 17, 2007
RINEX FILE: 7091320s.07o TIME: 00:20:38 UTC

SOFTWARE: rsgps 1.09 RS29.pr1 1.13 START: 2007/11/16 18:15:45
EPHEMERIS: igu14535.eph [ultra-rapid] STOP: 2007/11/16 18:31:30
NAV FILE: brdc3200.07n OBS USED: 864 / 864 : 100%
ANT NAME: TRM5800 QUALITY IND. 12.14/ 11.48
ARP HEIGHT: 1.3716 NORMALIZED RMS: 0.438

REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2007.87607)

X: -1590594.972(m) 0.021(m) -1590595.695(m) 0.021(m)
Y: -4868797.793(m) 0.013(m) -4868796.465(m) 0.013(m)
Z: 3790661.939(m) 0.011(m) 3790661.841(m) 0.011(m)
LAT: 36 41 17.52872 0.009(m) 36 41 17.54628 0.009(m)
E LON: 251 54 29.60545 0.019(m) 251 54 29.56117 0.019(m)
W LON: 108 5 30.39455 0.019(m) 108 5 30.43883 0.019(m)
EL HGT: 1605.812(m) 0.017(m) 1604.921(m) 0.017(m)
ORTHO HGT: 1626.935(m) 0.030(m) [Geoid03 NAVD88]

UTM COORDINATES STATE PLANE COORDINATES
UTM (Zone 12) SPC (3003 NM W)
Northing (Y) [meters] 4064226.566 630913.545
Easting (X) [meters] 759847.242 806903.875
Convergence [degrees] 1.73851999 -0.15441001
Point Scale 1.00043193 0.99992324
Combined Factor 1.00017988 0.99967131

US NATIONAL GRID DESIGNATOR: 12SYF5984764227(NAD 83)

BASE STATIONS USED
PID DESIGNATION LATITUDE LONGITUDE DISTANCE(m)
A10265 AZCN AZTEC CORS ARP N365023.235 W1075439.422 23324.0
DF4369 NMSF SANTA FE CORS ARP N354025.623 W1055730.931 222517.5
DE6386 ZAB1 ALBUQUERQUE 1 CORS ARP N351024.854 W1063402.414 217222.2
DE8222 ABQ1 ALBUQUERQUE USCG1 CORS ARP N345726.546 W1062940.038 240280.7

NEAREST NGS PUBLISHED CONTROL POINT
GO0029 Y 69 RESET N364205. W1080527. 1470.3

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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