FEDERAL EMERGENCY MANAGEMENT AGENCY
NATIONAL FLOOD INSURANCE PROGRAM

O.M.B. No. 3067-0077
Expires July 31, 2002

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1 - 7.

SECTION A - PROPERTY OWNER INFORMATION

For Insurance Company Use:

BUILDING OWNER'S NAME
Dale Sundbloom

Policy Number

BUILDING STREET ADDRESS (Including Apt., Unit, Suite, and/or Bldg. No.) OR P.O. ROUTE AND BOX NO.
226 West Vallecito Creek Road

Company NAIC Number

CITY	STATE	ZIP CODE
Bayfield	Co	81122

PROPERTY DESCRIPTION (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
226 West Vallecito Creek Road, Lot 76A Grimes Creek Subdivision

BUILDING USE (e.g., Residential, Non-residential, Addition, Accessory, etc. Use a Comments area, if necessary.)
Residential

LATITUDE/LONGITUDE (OPTIONAL) (##° - ##' - ##.##" or ##.######°)

HORIZONTAL DATUM: ☐ NAD 1927 ☐ NAD 1983

SOURCE: ☐ GPS (Type):____ ☐ USGS Quad Map ☐ Other: ____

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP COMMUNITY NAME & COMMUNITY NUMBER	B2. COUNTY NAME	B3. STATE
LaPlata County Colorado 080097	LaPlata	Co

B4. MAP AND PANEL NUMBER	B5. SUFFIX	B6. FIRM INDEX DATE	B7. FIRM PANEL EFFECTIVE/REVISED DATE	B8. FLOOD ZONE(S)	B9. BASE FLOOD ELEVATION(S) (Zone AO, use depth of flooding)
0304	B	12/15/81		A5	7697.3

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in B9.
☐ FIS Profile ☒ FIRM ☐ Community Determined ☐ Other (Describe): ____

B11. Indicate the elevation datum used for the BFE in 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____

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. Building Diagram Number 8 (Select the building diagram most similar to the building for which this certificate is being completed - see pages 6 and 7. If no diagram accurately represents the building, provide a sketch or photograph.)

C3. 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 C3.-a-i below according to the building diagram specified in Item C2. State the datum used. If the datum is different from the datum used for the BFE in Section B, convert the datum to that used for the BFE. Show field measurements and datum conversion calculation. Use the space provided or the Comments area of Section D or Section G, as appropriate, to document the datum conversion.

Datum ____ Conversion/Comments ____

Elevation reference mark used ____ Does the elevation reference mark used appear on the FIRM? ☐ Yes ☒ No

o a) Top of bottom floor (including basement or enclosure)	7702. 7 ft.(m)
o b) Top of next higher floor	n/a . __ ft.(m)
o c) Bottom of lowest horizontal structural member (V zones only)	7701 . 0 ft.(m)
o d) Attached garage (top of slab)	7701. 0 ft.(m)
o e) Lowest elevation of machinery and/or equipment servicing the building (Describe in a Comments area)	7701 . 0 ft.(m)
o f) Lowest adjacent (finished) grade (LAG)	7700 . 1 ft.(m)
o g) Highest adjacent (finished) grade (HAG)	7700. 9 ft.(m)
o h) No. of permanent openings (flood vents) within 1 ft. above adjacent grade 12	
o i) Total area of all permanent openings (flood vents) in C3.h 1700 sq. in. (sq. cm)	

License Number, Embossed Seal, Signature, and Date

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 in Sections A, 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 Steven C Harris LICENSE NUMBER P.E. 14,303

TITLE Professional Engineer COMPANY NAME Harris Water Engineering

ADDRESS	CITY	STATE	ZIP CODE
954 East Second Avenue	Durango	Co	81301

SIGNATURE Steven C Harris DATE 3/31/04 TELEPHONE 970-259-5322

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. 226 West Vallecito Creek Road			Policy Number
CITY Bayfield	STATE Co	ZIP CODE 81122	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

The ground elevation is between 2 and 3 feet above the 100 year flood water level but is shown to be in 100 year flood plain.

☐ Check here if attachments

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

For Zone AO and Zone A (without BFE), complete Items E1 through E4. If the Elevation Certificate is intended for use as supporting information for a LOMA or LOMR-F, Section C must be completed.

E1. Building Diagram Number 8 (Select the building diagram most similar to the building for which this certificate is being completed -- see pages 6 and 7. If no diagram accurately represents the building, provide a sketch or photograph.)

E2. The top of the bottom floor (including basement or enclosure) of the building is __ ft.(m) __ in.(cm) ☒ above or ☐ below (check one) the highest adjacent grade. (Use natural grade, if available).

E3. For Building Diagrams 6-8 with openings (see page 7), the next higher floor or elevated floor (elevation b) of the building is __ ft.(m) __ in.(cm) above the highest adjacent grade. Complete items C3.h and C3.i on front of form.

E4. For 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, C (Items C3.h and C3.i only), 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, C, and E are correct to the best of my knowledge.

PROPERTY OWNER'S OR OWNER'S AUTHORIZED REPRESENTATIVE'S NAME Dale Sundbloom			
ADDRESS 120 West Grimes Creek Road	CITY Bayfield	STATE Co	ZIP CODE 81122
SIGNATURE	DATE	TELEPHONE 970-884-0300	

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.

G1. ☐ The information in Section C was taken from other documentation that has been signed and embossed by a licensed surveyor, engineer, or architect who is authorized by state or local 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

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

G8. Elevation of as-built lowest floor (including basement) of the building is: ___.__ ft.(m) Datum: ____

G9. BFE or (in Zone AO) depth of flooding at the building site is: ___.__ ft.(m) Datum: ____

LOCAL OFFICIAL'S NAME	TITLE
COMMUNITY NAME	TELEPHONE
SIGNATURE	DATE

COMMENTS

☐ Check here if attachments

FLOODPLAIN STUDY
for
A HOME NEAR GRIMES CREEK
At
226 WEST VALLECITO CREEK ROAD
LAPLATA COUNTY, COLORADO

October, 2003

Performed for:
Triple D
120 West Grimes Creek Drive
Bayfield, Colorado 81122

By
HARRIS WATER ENGINEERING, INC.
954 East Second Avenue
Durango, Colorado 81301
970-259-5322

FLOOD STUDY
226 WEST VALLECITO CREEK ROAD
LOT 76A GRIMES CREEK SUBDIVISION

INTRODUCTION

Harris Water Engineering, Inc. was retained by Triple D to evaluate the construction of a home at 226 West Vallecito Creek Road on Lot 76A of the Grimes Creek Subdivision.

EXISTING FLOOD DATA

The existing flood information on Vallecito Creek is contained in the 1976 "Flood Hazard Information, Vallecito Creek, LaPlata County, Colorado" prepared by the U.S. Army Corp of Engineers. Figure 1 was prepared as part of that study, the approximate building location is shown on Figure 1. Figure 2 shows the 100 year flood water depth at locations along Vallecito Creek.

FLOOD EVALUATION

There is a survey marker at elevation 7701.0 feet, on a tree near 120 West Grimes Creek Road which was used to determine the elevations on the lot. A reference elevation marker was established on a tree in the northeast corner of the Lot, at elevation 7701.8 feet.

The ground elevation at the home site was surveyed to be between approximately 7700.4 and 7699.2 feet. The home site location is estimated to be at Vallecito Creek mile 5.15 which is plotted on Figure 1 and Figure 2. Based on Figure 2, the 100 year flood elevation is 7697.3 feet. Based on Figure 1 the Lot is just inside the 100 year flood, Zone A5; however, based on the elevations of the Lot, the property is between 2 and 3 feet above the 100 year flood water elevation. The home site is assumed to be in the 100 year floodplain but is not within the floodway.

The first floor elevation of the home must be a minimum of one foot above the 100 year flood water level, which is 7698.3 feet, since the ground level is at elevation 7699.2 feet or higher the first floor elevation is not required to be a certain distance above the ground. A standard stem wall foundation, with the first floor a minimum of one foot above the ground will result in the first floor being over 4 feet above the 100 year flood water elevation.

Openings shall be provided in the foundation that "allows for the free passage of water automatically in both directions without human intervention". There shall be one square inch of openings for each square foot of home. The openings shall be no more than one foot above the grade. There must be at least two openings. For example, if the home was 1,500 square feet there would be 1,500 square inches of openings which could be met with four 10" by 10" openings on each side of a four sided foundation; any combination is acceptable.

RECOMMENDATIONS

1. A home can be constructed at 226 West Vallecito Creek Road without impacting the 100 year flood water level.

2. The estimated 100 year flood water elevation is 7997.3 feet from Figure 2, based on the house being at milepost 5.15, see Figure 1.

3. The first floor elevation is recommended to be no less than 7798.3 feet in order to be one foot above the 100 year flood water level of 7797.3 feet. The ground elevation at the home site is 7799.2 feet or higher, therefore, the ground at the home site is above the 100 year flood water elevation. There is not a requirement for the first floor to be a certain elevation above the ground, a standard stem wall foundation with a "standard" elevation above the ground of at least one foot can be utilized. The first floor will be at about elevation 7701.0 feet or higher, which will be approximately 4 feet above the 100 year flood water elevation. An elevation marker (nail) on the tree in the northeast corner of Lot, at 7701.8 feet, can be used to determine the elevation of the first floor.

4. The foundation may be a standard stem wall foundation with adequate square inches of openings as described in this report.

5. Harris Water Engineering, Inc. did not investigate and makes no assurances involving the safety of ingress or egress from the home during a flood event. Persons traveling to or from the homes during a flood should use extreme caution.