

# ELEVATION CERTIFICATE

**Important:** Follow the instructions on pages 1–9.

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

SECTION A – PROPERTY INFORMATION				FOR INSURANCE COMPANY USE	
A1. Building Owner's Name HEATH, FRED D AND DEBRA A				Policy Number:	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 10 ROAD 2928				Company NAIC Number:	
City AZTEC		State New Mexico		ZIP Code 87410	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Parcel Number 2063180272128, R0015683					
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) _____					
A5. Latitude/Longitude: Lat. <u>N36° 51' 05.45"</u> Long. <u>W107° 58' 44.35"</u> 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 <u>1B</u>					
A8. For a building with a crawlspace or enclosure(s):					
a) Square footage of crawlspace or enclosure(s) <u>1595.00</u> sq ft					
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>0</u>					
c) Total net area of flood openings in A8.b <u>0.00</u> sq in					
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
A9. For a building with an attached garage:					
a) Square footage of attached garage <u>0.00</u> sq ft					
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>0</u>					
c) Total net area of flood openings in A9.b <u>0.00</u> sq in					
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number SAN JUAN COUNTY 350064			B2. County Name SAN JUAN		B3. State New Mexico
B4. Map/Panel Number 0730	B5. Suffix F	B6. FIRM Index Date 08-05-2010	B7. FIRM Panel Effective/ Revised Date 08-05-2010	B8. Flood Zone(s) A	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 5646.03
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input type="checkbox"/> FIS Profile <input type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input checked="" type="checkbox"/> Other/Source: <u>HEC-RAS ANALYSIS</u>					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____					
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					

# ELEVATION CERTIFICATE

OMB No. 1660-0008  
 Expiration Date: November 30, 2018

<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>			<b>FOR INSURANCE COMPANY USE</b>
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 10 ROAD 2928			Policy Number:
City AZTEC	State New Mexico	ZIP Code 87410	Company NAIC Number

### 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. In Puerto Rico only, enter meters.

Benchmark Utilized: OPUS Vertical Datum: GEOID09

Indicate elevation datum used for the elevations in items a) through h) below.

NGVD 1929  NAVD 1988  Other/Source: \_\_\_\_\_

Datum used for building elevations must be the same as that used for the BFE.



Check the measurement used.

- |   |               |  |                                 |
|---|---------------|--|---------------------------------|
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor)   | <u>5645.7</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| b) Top of the next higher floor   | <u>5649.2</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| c) Bottom of the lowest horizontal structural member (V Zones only)   | _____         | <input type="checkbox"/> feet            | <input type="checkbox"/> meters |
| d) Attached garage (top of slab)  | _____         | <input type="checkbox"/> feet            | <input type="checkbox"/> meters |
| e) Lowest elevation of machinery or equipment servicing the building<br>(Describe type of equipment and location in Comments) | _____         | <input type="checkbox"/> feet            | <input type="checkbox"/> meters |
| f) Lowest adjacent (finished) grade next to building (LAG)  | <u>5645.2</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| g) Highest adjacent (finished) grade next to building (HAG)   | <u>5646.5</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support                                  | <u>5645.3</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |

### 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.

Were latitude and longitude in Section A provided by a licensed land surveyor?  Yes  No  Check here if attachments.

Certifier's Name DANIEL T FLACK	License Number 14850		
Title ENGINEER			
Company Name DTF ENGINEERING			
Address PO BOX 1063			
City KIRTLAND	State New Mexico		ZIP Code 87417
Signature 	Date 01-27-2020	Telephone (505) 598-5163	Ext.

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

Comments (including type of equipment and location, per C2(e), if applicable)  
 SURVEY PROVIDED BY BASIN SURVEY.

# BUILDING PHOTOGRAPHS

See Instructions for Item A6.

OMB No. 1660-0008

Expiration Date: November 30, 2018

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Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 10 ROAD 2928			Policy Number:
City AZTEC	State New Mexico	ZIP Code 87410	Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 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." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.



Photo One

Photo One Caption

Clear Photo One



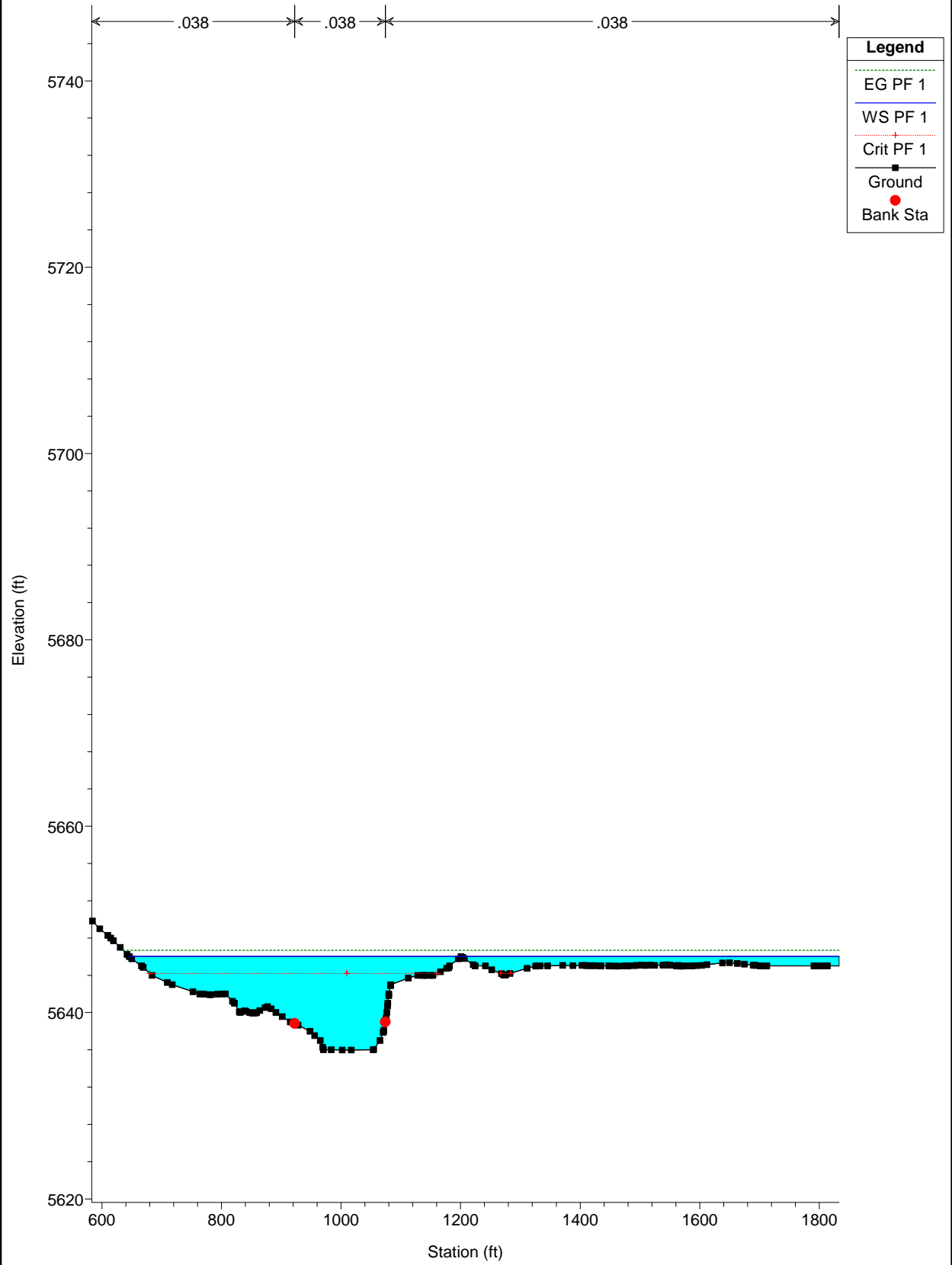
Photo Two

Photo Two Caption

Clear Photo Two

Plan: Plan 01 River CL River CL RS: 383.89 Profile: PF 1

E.G. Elev (ft)	5646.69	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.66	Wt. n-Val.	0.038	0.038	0.038
W.S. Elev (ft)	5646.03	Reach Len. (ft)	100.00	100.00	100.00
Crit W.S. (ft)	5644.21	Flow Area (sq ft)	1140.15	1412.46	1311.27
E.G. Slope (ft/ft)	0.002053	Area (sq ft)	1140.15	1412.46	1311.27
Q Total (cfs)	18700.00	Flow (cfs)	5187.13	11041.63	2471.25
Top Width (ft)	1622.47	Top Width (ft)	276.89	152.00	1193.58
Vel Total (ft/s)	4.84	Avg. Vel. (ft/s)	4.55	7.82	1.88
Max Chl Dpth (ft)	10.04	Hydr. Depth (ft)	4.12	9.29	1.10
Conv. Total (cfs)	412691.0	Conv. (cfs)	114474.9	243678.1	54538.1
Length Wtd. (ft)	100.00	Wetted Per. (ft)	277.11	152.42	1195.35
Min Ch El (ft)	5635.99	Shear (lb/sq ft)	0.53	1.19	0.14
Alpha	1.81	Stream Power (lb/ft s)	2.40	9.29	0.27
Frctn Loss (ft)	0.34	Cum Volume (acre-ft)	2.08	2.93	1.58
C & E Loss (ft)	0.13	Cum SA (acres)	0.60	0.35	1.49







NFIP FP LIMITS

BFE = 5646.03 FT

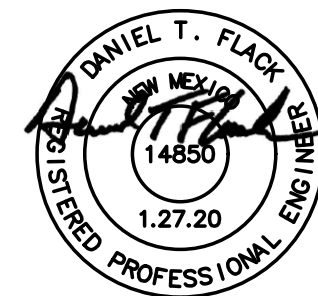
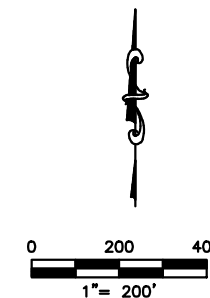
CROSS-SECTION  
REFER TO HEC-RAS  
FOR POINT INFORMATION

10 ROAD 2928  
FF HOUSE = 5649.24

X LAG  
5645.26

X HAG  
5646.56

NFIP FP LIMITS



REV:	DESCRIPTION:	BY:	DATE:
	STATUS: for review		

DTF Engineering  
 PO Box 1063  
 Kirtland, NM 87417  
 T 505.598.5163  
 F 505.598.5574  
 dflack@dtfengineering.com

OWNER:  
HEATH

PROJECT: Letter of Map Amendment  
 10 ROAD 2928  
 Aztec, New Mexico  
 San Juan County

SHEET TITLE:  
LOMA

SHEET No.:  
1 of 1

DATE: 12.21.19	DRAWN: wwp	CHECKED: dff
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FILENAME:  
BFE