

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 Brian and Becky McCraw		Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 7 Road 2928, Aztec, NM 87410		Company NAIC Number:
City Aztec	State New Mexico	ZIP Code 87410
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Villa de Animas Sub. Lot 79		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Residential</u>		
A5. Latitude/Longitude: Lat. <u>36.850910</u> Long. <u>-107.979300</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>9</u>		
A8. For a building with a crawlspace or enclosure(s):		
a) Square footage of crawlspace or enclosure(s) <u>1480.00</u> sq ft		
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>9</u>		
c) Total net area of flood openings in A8.b <u>972.00</u> sq in		
d) Engineered flood openings? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
A9. For a building with an attached garage:		
a) Square footage of attached garage <u>N/A</u> sq ft		
b) Number 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 A9.b <u>N/A</u> 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 San Juan County 350064		B2. County Name San Juan		B3. State New Mexico	
B4. Map/Panel Number 35045C/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>DTF HEC RAS Study-1/27/2020</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, 2022

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. 7 Road 2928, Aztec, NM 87410			Policy Number:
City Aztec	State New Mexico	ZIP Code 87410	Company NAIC Number

**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 _____ 0.7 feet meters above or below the HAG.
 - b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ 3.4 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 1–2 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ 2.3 feet meters above or below the HAG.
- E3. Attached garage (top of slab) is _____ N/A feet meters above or below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____ N/A 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 or Owner's Authorized Representative's Name
Robert A. Echols, Jr., PE

Address	City	State	ZIP Code
909 W. Apache	Farmington	New Mexico	87401

Signature	Date	Telephone
		(505) 327-3303

Comments

Check here if attachments.

BUILDING PHOTOGRAPHS

See Instructions for Item A6.

OMB No. 1660-0008
Expiration Date: November 30, 2022

ELEVATION CERTIFICATE

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Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 7 Road 2928, Aztec, NM 87410			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

ELEVATION CERTIFICATE

BUILDING PHOTOGRAPHS
Continuation Page

OMB No. 1660-0008
Expiration Date: November 30, 2022

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. 7 Road 2928, Aztec, NM 87410			Policy Number:
City Aztec	State New Mexico	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." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.



Photo Three

Photo Three Caption

Clear Photo Three

Photo Four

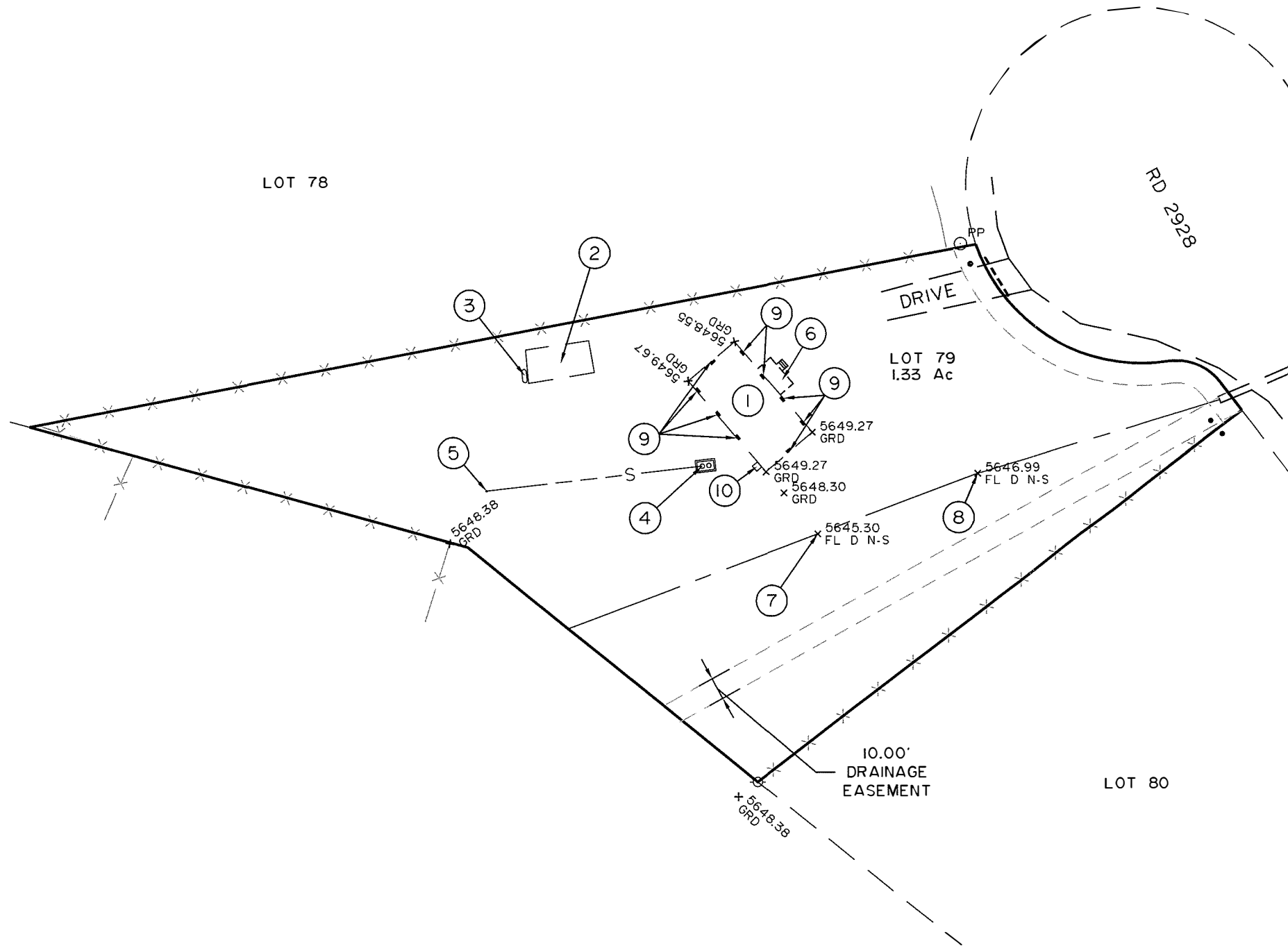
Photo Four Caption

Clear Photo Four

DETERMINED BASE FLOOD ELEVATION

1. DATA FROM PANEL 35045C0730F REVISED AUGUST 5, 2010 IS ZONE "A".
 BASE FLOOD ELEVATION HAS BEEN USED FROM DTF ENGINEERING ELEVATION
 STUDY FOR LOT 76 VILLA de ANIMAS SUBDIVISION. ELEVATION = 5646.03.
 2. SEE SHEET No. 2 OF 2 FOR FIRM MAP INFORMATION.

FLOOD ELEVATION CERTIFICATE
 No. 7 ROAD 2928
 AZTEC, NEW MEXICO 87410
 LOT 79
 VILLA DE ANIMAS SUBDIVISION
 FOR BRIAN & BECKY McCRAW

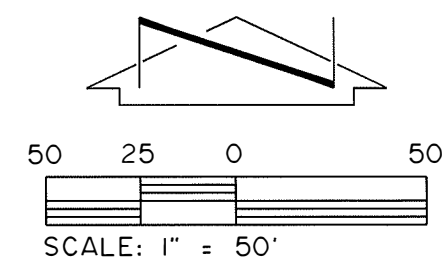


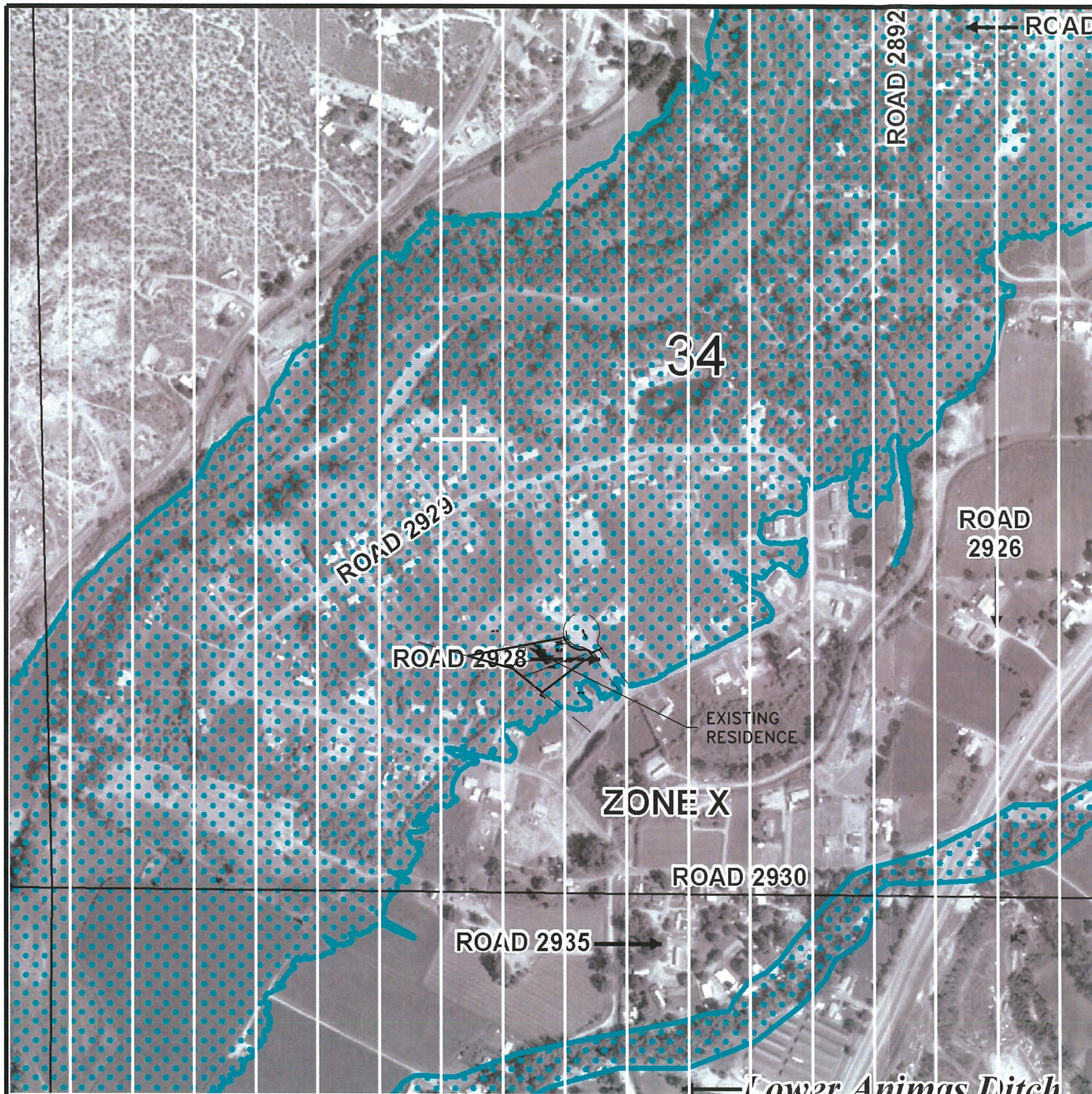
KEYED NOTES:

- ① 1480.00 sf HOME ON PIER AND BEAM FOUNDATION
FINISH FLOOR ELEVATION = 5652.00.
- ② EXISTING SHED.
- ③ EXISTING PROPANE TANK.
- ④ SEPTIC TANK ACCESS ELEVATION = 5647.82.
- ⑤ SEWER CLEAN OUT/ INSPECTION PORT.
- ⑥ OPEN PORCH.
- ⑦ F/L OF DRAINAGE DITCH ELEVATION = 5645.30.
- ⑧ F/L OF DRAINAGE DITCH ELEVATION = 5646.99.
- ⑨ 9 EACH 8"x16" FREE AIR VENTS WITH
INVERT ELEVATION = 5650.67.
- ⑩ 3.0' CRAWL SPACE OPENING BOTTOM ELEVATION = 5649.00.

NOTE:

I.) TOTAL NET AREA OF FLOOD OPENING = 972 sq. in.





FLOOD ELEVATION CERTIFICATE
 No. 7 ROAD 2928
 AZTEC, NEW MEXICO 87410
 LOT 79
 VILLA DE ANIMAS SUBDIVISION
 FOR BRIAN & BECKY McCRAW

LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD
 The 1% annual chance flood (100-year flood) is shown as the base flood in the foot that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, X, AH, AR, AO, AV, and VE. The Base Flood Elevation is the water surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.
ZONE AE Base Flood Elevations determined.
ZONE AH Flood depths of 1 to 3 feet uniformly across of portion; Base Flood Elevation is determined.
ZONE AO Flood depths of 1 to 3 feet usually sheet flow on top of terrain; average depths determined. For areas of alluvial fill deposits, velocities and directions are determined.
ZONE AR Special Flood Hazard Area fully protected from the 1% annual chance flood by a flood control system that will subsequently benefit the Zone AR indicates that the former flood control system is being removed to provide protection from the 1% annual chance or greater flood.
ZONE AV Area to be protected from 1% annual chance flood by a Federal Flood Control System under construction; no base flood elevations determined.
ZONE VE Coastal flood zone with velocity hazard (wave action); no base flood elevations determined.
FLOODWAY AREAS IN ZONE AE
 The roadway or the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.
OTHER FLOOD AREAS
ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with a slope of less than 1 foot or with drainage areas less than 1,000 square feet, and areas protected by levees from 1% annual chance flood.
OTHER AREAS
ZONE X Areas determined to be outside the 1% annual chance flood plain.
ZONE O Areas in which flood hazards are not determined, but possible.
COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS
OTHER USE PROTECTED AREAS (OUPAs)
CBRS AREAS AND OUPAs are normally located within or adjacent to Special Flood Hazard Areas.
 1% annual chance flood plain boundary
 0.2% annual chance flood plain boundary
 Floodway boundary
 Zone boundary
 CBRS and OUPA boundary
 Boundary dividing Special Flood Hazard Areas of different Base Flood Elevation; flood depths or flood velocities
 Base Flood Elevation (elevation in feet)
 Base Flood Elevation (elevation in feet)
 elevation in feet
 elevation in feet
 American Vertical Datum of 1988
 Cross section line
 Transverse line
 Geographic coordinate: referenced to the North American Datum of 1983 (NAD 83); WGS84
 1000-meter Universal Transverse Mercator grid values, zones 12 & 13
 5000-foot grid ticks: N = Mexico State Plane coordinate system, West Zone (FIPS ZONE 1003), Transverse Mercator Projection
 Border marks (see enable option in Notes to Users set on of map FIRM data)
 River Mile

MAP REVISIONS
 Refer to Map Revision Log on Map Index.
 EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP PANEL:
 AUGUST 5, 2010
 (EFFECTIVE DATES OF REVISIONS TO THIS PANEL)

PANEL 0730F

FIRM
 FLOOD INSURANCE RATE MAP
 SAN JUAN COUNTY,
 NEW MEXICO
 AND INCORPORATED AREAS
 PANEL 730 OF 2750
 (SEE MAP INDEX FOR FIRM PANEL NUMBER)

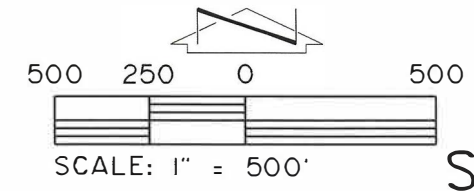
CONTAINS

COMMUNITY	NUMBER	PANEL	SHEET
AZTEC CITY	22008	0730	F
SAN JUAN COUNTY	22004	0730	F

MA NUMBER
 3545C0730F

EFFECTIVE DATE
 AUGUST 5, 2010

Federal Emergency Management Agency



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					

BUILDING PHOTOGRAPHS

See Instructions for Item A6.

OMB No. 1660-0008

Expiration Date: November 30, 2018

ELEVATION CERTIFICATE

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.
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



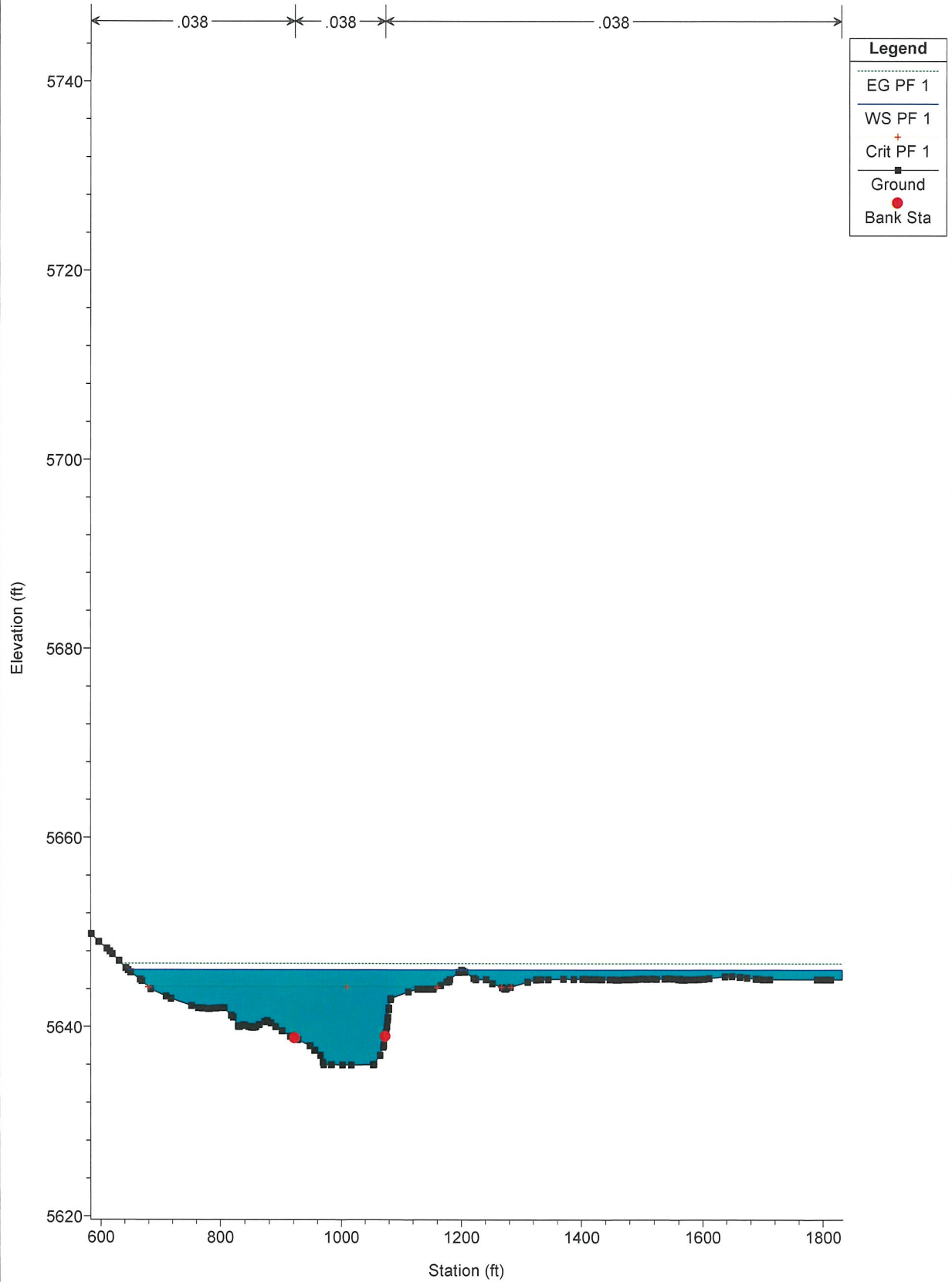
Photo Two

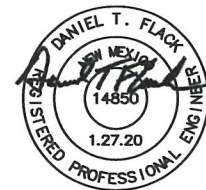
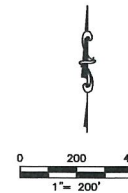
Photo Two Caption

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





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

DTF Engineering
 PO Box 1063
 Kirtland, NM 87417
 T 505.598.5163
 F 505.598.5574
 dtflack@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: dtf
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FILENAME:
 BFE