

# 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 COUNTRY STATIONS CONDOMINIUMS OWNERS ASSOCIATION	Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 499 NORTH 200 WEST	Company NAIC Number:
City BOUNTIFUL	State Utah
	ZIP Code 84010
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) UNIT 33 and UNIT 34, COUNTRY STATIONS CONDOMINIUMS PHASE 7	
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>RESIDENTIAL</u>	
A5. Latitude/Longitude: Lat. <u>N40°53'41.8"</u> Long. <u>W111°53'12.0"</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>2B</u>	
A8. For a building with a crawlspace or enclosure(s):	
a) Square footage of crawlspace or enclosure(s) _____ sq ft	
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade _____	
c) Total net area of flood openings in A8.b _____ sq in	
d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No	
A9. For a building with an attached garage:	
a) Square footage of attached garage _____ sq ft	
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade _____	
c) Total net area of flood openings in A9.b _____ 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 CITY OF BOUNTIFUL 49039		B2. County Name DAVIS COUNTY		B3. State Utah	
B4. Map/Panel Number 49011C / 0394	B5. Suffix E	B6. FIRM Index Date 06/18/2007	B7. FIRM Panel Effective/ Revised Date 06/18/2007	B8. Flood Zone(s) ZONE "A"	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 4318.3 *

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/Source: 1978 FIS, VOLUME CALCS

B11. Indicate elevation datum used for BFE in Item B9:  NGVD 1929  NAVD 1988  Other/Source: \_\_\_\_\_

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?  Yes  No  
 Designation Date: \_\_\_\_\_  CBRS  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>
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City BOUNTIFUL	State Utah	ZIP Code 84010	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: GPS OBSERVATION \*\* Vertical Datum: NAVD 1988

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>4317.4</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| b) Top of the next higher floor   | <u>4326.5</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| c) Bottom of the lowest horizontal structural member (V Zones only)   | _____         | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| d) Attached garage (top of slab)  | <u>4324.9</u> | <input checked="" 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 checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| f) Lowest adjacent (finished) grade next to building (LAG)  | <u>4321.4</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| g) Highest adjacent (finished) grade next to building (HAG)   | <u>4324.8</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support                                  | _____         | <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  
VON R. HILL

License Number  
166385

Title

Company Name  
H&A ENTELLUS

Address  
181 N. 200 W., Ste #4

City  
BOUNTIFUL

State  
Utah

ZIP Code  
84010

Signature  
*Von R. Hill*

Date  
*6 Jan 2017*

Telephone  
(801) 298-2236



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Comments (including type of equipment and location, per C2(e), if applicable)

\*THE BFE WAS CALCULATED BASED ON ACTUAL FIELD MEASUREMENTS USING A 100-YEAR DISCHARGE OF 420 CFS, THE DISCHARGE SHOWN ON PAGE 10 OF THE 1978 FIS REPORT FOR BARTON CREEK AT 400 EAST STREET (THE LOCATION ABOVE THE SUBJECT PROPERTY). BASED ON THIS CALCULATION, THE 100-YEAR FLOOD IS CONTAINED ENTIRELY WITHIN THE CHANNEL WITH APPROXIMATELY 1.0 FOOT OF FREE BOARD.

\*\* GPS OBSERVATIONS WERE TAKEN USING SURVEY-GRADE GPS EQUIPMENT.

# BUILDING PHOTOGRAPHS

See Instructions for Item A6.

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City BOUNTIFUL	State Utah	ZIP Code 84010	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.

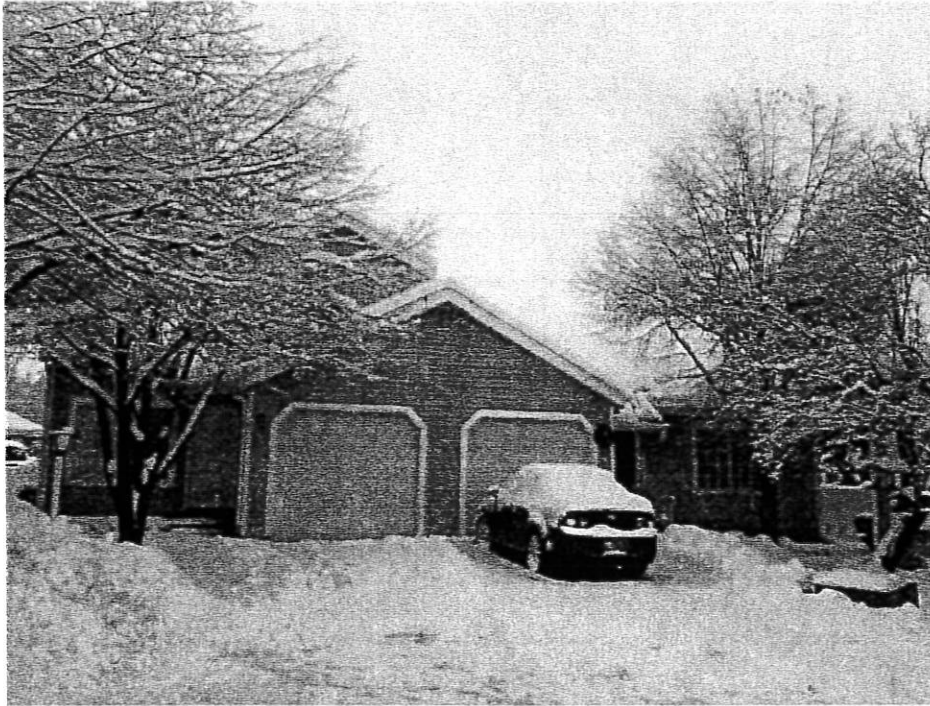


Photo One

Photo One Caption NORTHEAST FACE



Photo Two

Photo Two Caption SOUTHWEST FACE

**ELEVATION CERTIFICATE**

**BUILDING PHOTOGRAPHS**

Continuation Page

OMB No. 1660-0008

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City BOUNTIFUL	State Utah	ZIP Code 84010	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 One

Photo One Caption ALONG SOUTHWEST FACE

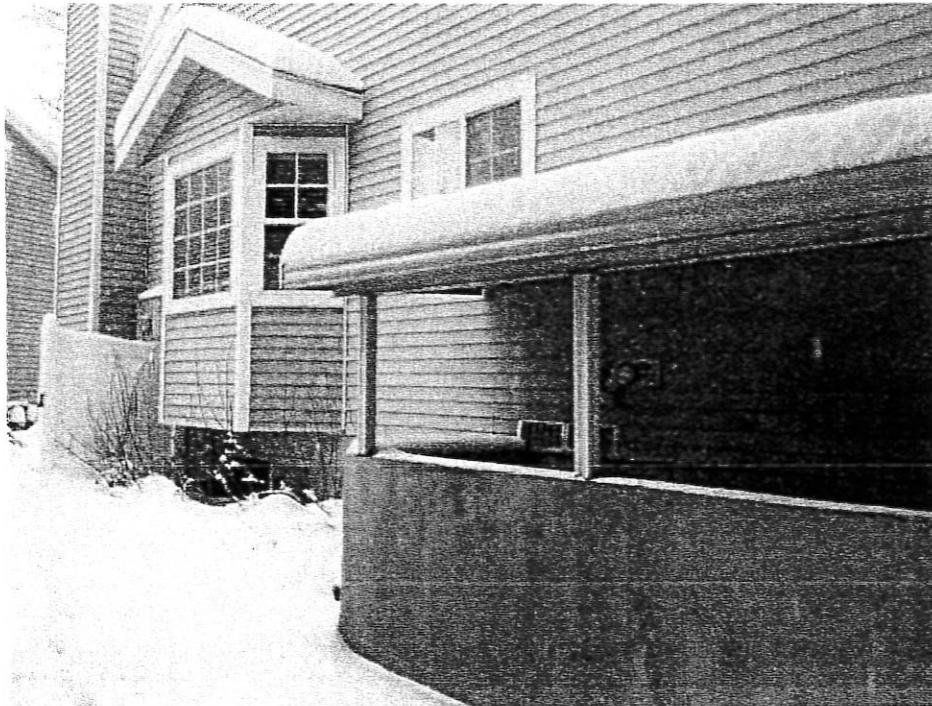


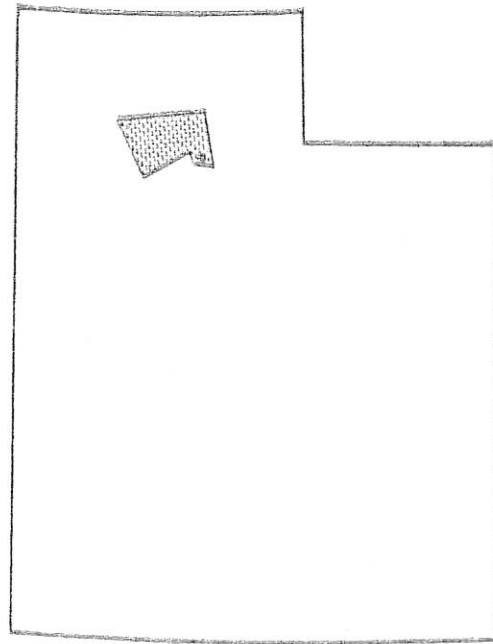
Photo Two

Photo Two Caption NORTHWEST FACE -WALKOUT BASEMENT

# FLOOD INSURANCE STUDY



CITY OF BOUNTIFUL,  
UTAH  
DAVIS COUNTY



MARCH 1978

U.S. DEPARTMENT of HOUSING & URBAN DEVELOPMENT  
FEDERAL INSURANCE ADMINISTRATION

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EXHIBITS

Exhibit 1 - Flood Profiles	
Barton Creek	Panels 01P-06P
Mill Creek	Panels 07P-09P
Stone Creek	Panel 10P-13P
Exhibit 2 - Flood Boundary and Floodway Map	Panel 490039 0005A
PUBLISHED SEPARATELY:	
Flood Insurance Rate Map	Panel 490039 0005A

Table 2. Summary of Discharges

FLOODING SOURCE AND LOCATION	Drainage Area (Square Miles)	Peak Discharges (Cubic Feet per Second)		
		10-Year	50-Year	500-Year
Barlow Creek:				
500 West Street	6.6	1000	2300	2600
(U.S. Highways 89 and 91)				2500
400 East Street	5.6	1000	3200	5000
750 East Street	5.5	1000	5700	27000
				11000
Hill Creek:				
Interstate Highway 15	12.0	2200	3000	3100
100 West Street	10.8	2200	10000	8900
Main Street	10.6	2200	30000	11000
Orchard Drive	10.5	2200	40000	20000
				4400
Stone Creek:				
Main Street	7.0	500	2300	5750
Below Confluence with North Fork Stone Creek	6.9	1650	6750	14600
Above Confluence with North Fork Stone Creek	5.7	1200	4500	30200
Davis Boulevard	4.4	1200	8600	14300
				20000
				25000

Increases in discharge in a downstream direction due to attenuation of flood by storage, or losses in overbank

# Channel Report

## BARTON CREEK - COUNTRY STATION CONDOS (33,34)

### Rectangular

Bottom Width (ft) = 9.00  
 Total Depth (ft) = 4.00

Invert Elev (ft) = 4315.20  
 Slope (%) = 2.10  
 N-Value = 0.020

### Calculations

Compute by: Known Q  
 Known Q (cfs) = 450.00

### Highlighted

Depth (ft) = 3.10  
 Q (cfs) = 450.00  
 Area (sqft) = 27.90  
 Velocity (ft/s) = 16.13  
 Wetted Perim (ft) = 15.20  
 Crit Depth, Yc (ft) = 4.00  
 Top Width (ft) = 9.00  
 EGL (ft) = 7.14

$$BFE = 4315.2 + 3.1 = \boxed{4318.3}$$

