



# Keystone Engineering and Land Surveying, Inc.

923 South Lowry Street • P.O. Box 436 • Stillwater, OK 74076

Phone (405) 743-3355 • Fax (405) 743-3933

May 9, 2012

Mike Mason  
Deputy Director/Development Review Manager  
Development Services Department  
City of Stillwater  
723 S. Lewis  
Stillwater, OK 74074

Re: 220 South Brush Creek Road

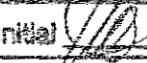
Dear Mr. Mason:

It was requested of Keystone to provide Compensatory Storage Verification for the garage that was added to the property. The compensatory storage was calculated using AutoCAD Civil 3D surface modeling and showed a net excavation of 138.21 cubic yards.

Sincerely,

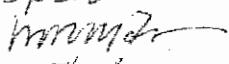
Steven Hollabaugh, E.I., CFM  
Keystone Engineering and Land Surveying, Inc  
CA #5877 Expires 6/30/13

Reviewed for Code Compliance

Initial  Date 5/10/2012

Butzler has seeded  
compensatory area.  
He will sod around  
garage.

Accepted

  
5/10/12



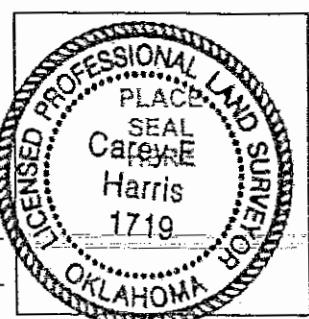
15-09-12F03:01 RCVG   
PP 10 2012

# ELEVATION CERTIFICATE

OMB No. 1660-0008  
Expires March 31, 2012

Important: Read the instructions on pages 1-9.

SECTION A - PROPERTY INFORMATION			For Insurance Company Use	
A1. Building Owner's Name Richard Butzler			Policy Number	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 220 South Brush Creek Road			Company NAIC Number	
City Stillwater		State OK	ZIP Code 74074	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) See Attached Legal Description				
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Accessory (Garage)</u>				
A5. Latitude/Longitude: Lat. <u>36.1213</u> Long. <u>97.0173</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>1</u>				
A8. For a building with a crawlspace or enclosure(s): a) Square footage of crawlspace or enclosure(s) <u>NA</u> sq ft b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>NA</u> c) Total net area of flood openings in A8.b <u>NA</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>NA</u> sq ft b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>NA</u> c) Total net area of flood openings in A9.b <u>NA</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 Stillwater, City of / 405380		B2. County Name Payne County		B3. State OK
B4. Map/Panel Number 40119C / 0232	B5. Suffix F	B6. FIRM Index Date 5/16/2007	B7. FIRM Panel Effective/Revised Date 5/16/2007	B8. Flood Zone(s) AE
B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 870				
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 checked="" type="checkbox"/> FIRM Community Determined <input type="checkbox"/> Other (Describe) _____				
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 (Describe) _____				
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? Designation Date _____ <input type="checkbox"/> CBRS <input checked="" type="checkbox"/> OPA				
SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)				
C1. Building elevations are based on: <input type="checkbox"/> Construction Drawings* <input type="checkbox"/> Building Under Construction* <input checked="" type="checkbox"/> 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, ARIA, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. Use the same datum as the BFE. Benchmark Utilized <u>City of Stillwater</u> Vertical Datum <u>NGVD 1929</u> Conversion/Comments <u>Converted to NAVD 1988</u>				
Check the measurement used.				
a) Top of bottom floor (including basement, crawlspace, or enclosure floor) <u>871.05</u> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)				
b) Top of the next higher floor <u>NA</u> <input type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)				
c) Bottom of the lowest horizontal structural member (V Zones only) <u>NA</u> <input type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)				
d) Attached garage (top of slab) <u>NA</u> <input type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)				
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) <u>NA</u> <input type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)				
f) Lowest adjacent (finished) grade next to building (LAG) <u>870.29</u> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)				
g) Highest adjacent (finished) grade next to building (HAG) <u>870.68</u> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)				
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support <u>NA</u> <input type="checkbox"/> feet <input type="checkbox"/> 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.				
<input checked="" type="checkbox"/> Check here if comments are provided on back of form. <u>SEH</u> Were latitude and longitude in Section A provided by a licensed land surveyor? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Certifier's Name Carey E. Harris, PLS		License Number OK PLS 1719		
Title Vice President	Company Name Keystone Engineering			
Address PO Box 436	City Stillwater	State OK	ZIP Code 74076	
Signature	Date 05/09/12	Telephone (405) 743-3355		



<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>			<input type="checkbox"/> For Insurance Company Use
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 220 South Brush Creek Road			<input type="checkbox"/> Policy Number
City Stillwater	State OK	ZIP Code 74074	<input type="checkbox"/> 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 garage is on a concrete slab and does not have any equipment.

Signature

*SEAD*

Date 05/09/2012

Check here if attachments

#### 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 \_\_\_\_\_ feet \_\_\_\_\_ meters  above or  below the HAG.  
b) Top of bottom floor (including basement, crawlspace, or enclosure) is \_\_\_\_\_ 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 8-9 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
-------------------	------------------------	---

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 \_\_\_\_\_

G10. Community's design flood elevation \_\_\_\_\_ feet \_\_\_\_\_ meters (PR) Datum \_\_\_\_\_

Local Official's Name

Title

Community Name

Telephone

Signature

Date

Comments

Check here if attachments

## Building Photographs

See Instructions for Item A6.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.  
220 South Brush Creek Road

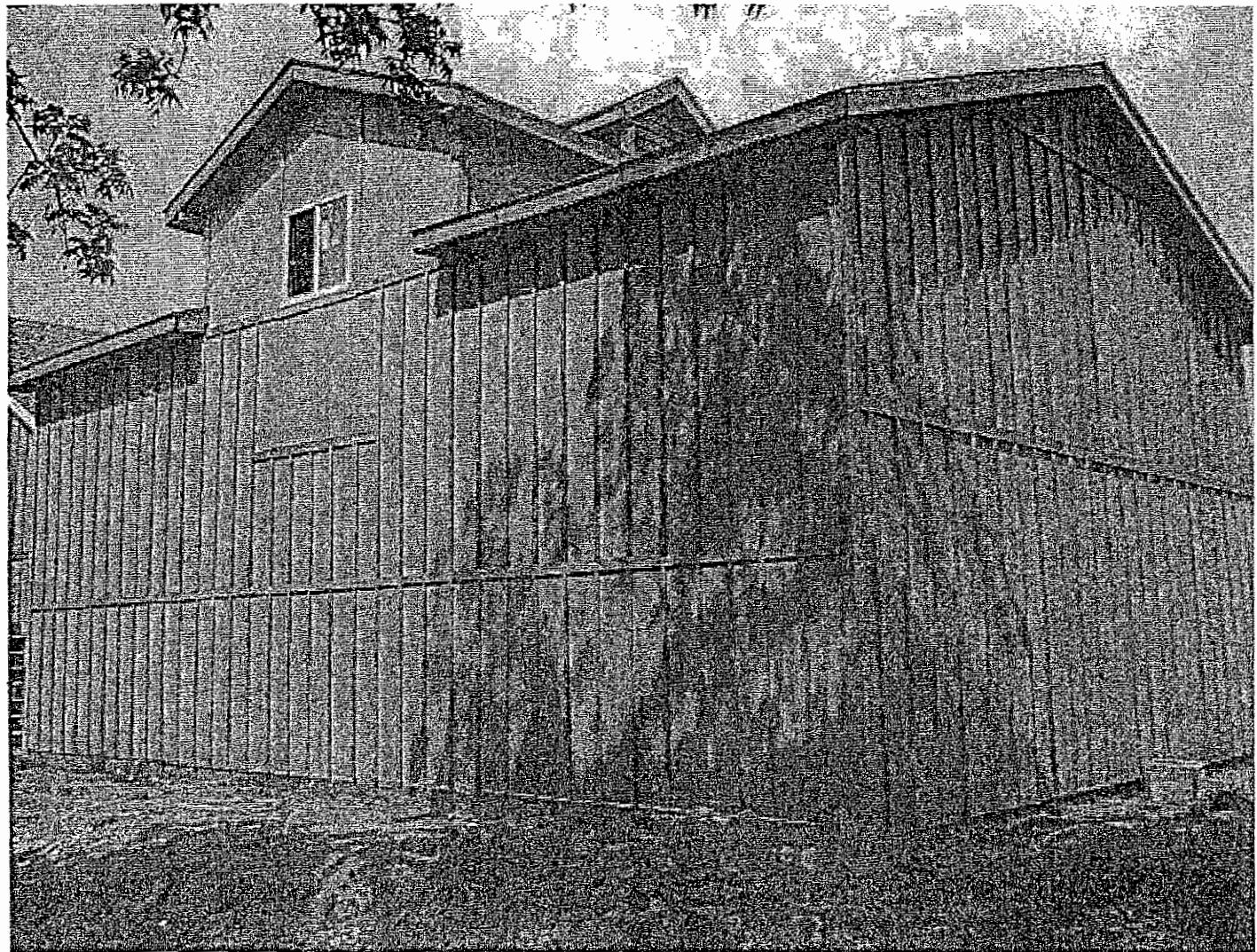
For Insurance Company Use:

Policy Number

City Stillwater State OK ZIP Code 74074

Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least two 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." If submitting more photographs than will fit on this page, use the Continuation Page, following.



## Building Photographs

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 220 South Brush Creek Road	For Insurance Company Use Policy Number _____
City Stillwater State OK ZIP Code 74074	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."	

