

ELEVATION CERTIFICATE

IMPORTANT: Follow the instructions on pages 1-9.

OMB No. 1660-0008
 Expiration Date: July 31, 2015

SECTION A - PROPERTY INFORMATION		FOR INSURANCE COMPANY USE
A1. Building Owner's Name <u>[REDACTED]</u>		Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. <u>20845 Cheney Drive</u>		Company NAIC Number:
City <u>Topanga</u>	State <u>CA</u>	ZIP Code <u>90290</u>
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) <u>Lot 41 - 001 - 038</u>		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Residential - Tuff Shed Addition</u>		
A5. Latitude/Longitude: Lat. <u>34°36'50.78"N</u> Long. <u>118°35'17.80"W</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>3B</u>		
A8. For a building with a crawlspace or enclosure(s):	A9. For a building with an attached garage:	
a) Square footage of crawlspace or enclosure(s) <u>N/A</u> sq ft	a) Square footage of attached garage <u>N/A</u> sq ft	
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>N/A</u>	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 A8.b <u>N/A</u> sq in	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 checked="" type="checkbox"/> No	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 <u>County of Los Angeles 065043</u>		B2. County Name <u>COUNTY OF LOS ANGELES</u>		B3. State <u>CA</u>	
B4. Map/Panel Number <u>06037C1552</u>	B5. Suffix <u>F</u>	B6. FIRM Index Date <u>9/26/2008</u>	B7. FIRM Panel Effective/Revised Date <u>9/26/2008</u>	B8. Flood Zone(s) <u>A, D</u>	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) <u>937 FEET</u>
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>CONSULTANT DETERMINED BY DATA INTERPOLATION (ATTACHED)</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: <u>N/A</u>					

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, 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: <u>Bm y 5552</u> Vertical Datum: <u>940.166 NAVD 1988</u> Indicate elevation datum used for the elevations in items a) through h) below. <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____ Datum used for building elevations must be the same as that used for the BFE.	
a) Top of bottom floor (including basement, crawlspace, or enclosure floor)	<u>959.74</u> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
b) Top of the next higher floor	<u>N/A</u> <input type="checkbox"/> feet <input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (V Zones only)	<u>N/A</u> <input type="checkbox"/> feet <input type="checkbox"/> meters
d) Attached garage (top of slab)	<u>N/A</u> <input type="checkbox"/> feet <input type="checkbox"/> meters
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) <u>AC UNIT</u>	<u>959.24</u> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
f) Lowest adjacent (finished) grade next to building (LAG)	<u>958.31</u> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
g) Highest adjacent (finished) grade next to building (HAG)	<u>959.07</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>N/A</u> <input 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.			
<input checked="" type="checkbox"/> Check here if comments are provided on back of form.		Were latitude and longitude in Section A provided by a licensed land surveyor? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Check here if attachments.			
Certifier's Name <u>JUSTIN DENVER HOLT</u>	License Number <u>PE 71452, LS 9008</u>		
Title <u>Professional Engineer & Surveyor</u>	Company Name <u>GeoWorks</u>		
Address <u>5154 Cochran St.</u>	City <u>Simi Valley</u>	State <u>CA</u>	ZIP Code <u>93063</u>
Signature <u>[Signature]</u>	Date <u>11/3/15</u>	Telephone <u>805 522 3206</u>	



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. 20845 Cheney Drive			Policy Number:	
City Topanga	State CA	ZIP Code 90290	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 300 # TUFF SHED'S FLOOR ELEVATION IS 959.74 FEET ON A RIDGE ABOVE A CREEK. THE TUFF SHED HAS AN A/C UNIT WITH A CONDENSER ON THE EAST SIDE.**

Signature _____ Date **7-14-15**

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 N/A _____ feet meters above or below the HAG.
- b) Top of bottom floor (including basement, crawlspace, or enclosure) is N/A _____ 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 N/A _____ 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. N/A

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 **JUSTIN D. HOLT, SURVEYOR**

Address **5158 Cochran St.** City **Simi Valley** State **CA** ZIP Code **93063**

Signature _____ Date **11/3/15** Telephone **805-522-5174**

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–G10. In Puerto Rico only, enter meters.

- 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–G10) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
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- 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 Datum _____
- G9. BFE or (in Zone AO) depth of flooding at the building site: _____ feet meters Datum _____
- G10. Community's design flood elevation: _____ feet meters Datum _____

Local Official's Name _____ Title _____

Community Name _____ Telephone _____

Signature _____ Date _____

Comments _____

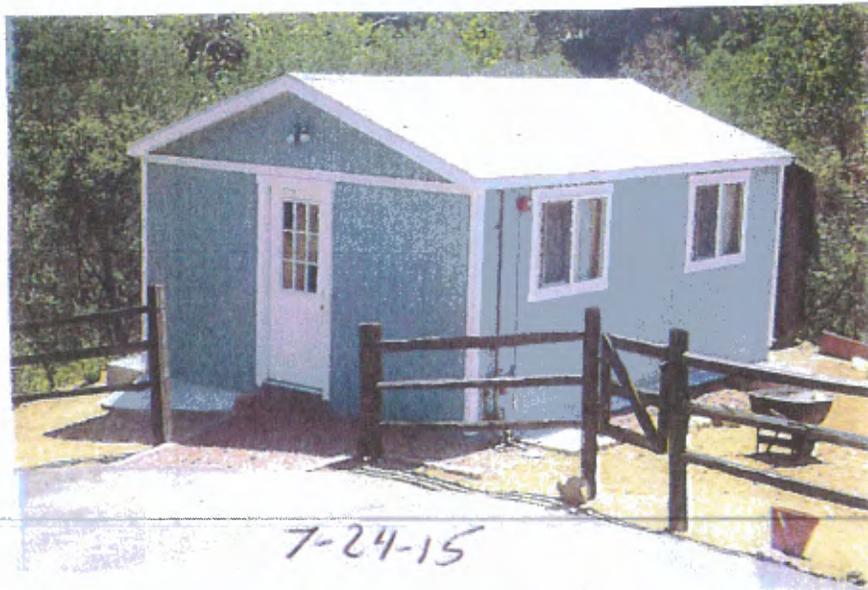
Check here if attachments.

BUILDING PHOTOGRAPHS

See Instructions for Item A6.

IMPORTANT: In these spaces, copy the corresponding information from Section A.		FOR INSURANCE COMPANY USE
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City Topanga	State CA	ZIP Code 90290
		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.



FRONT VIEW



RIGHT SIDE

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City: Topanga State: CA ZIP Code: 90290	Company NAIC Number:

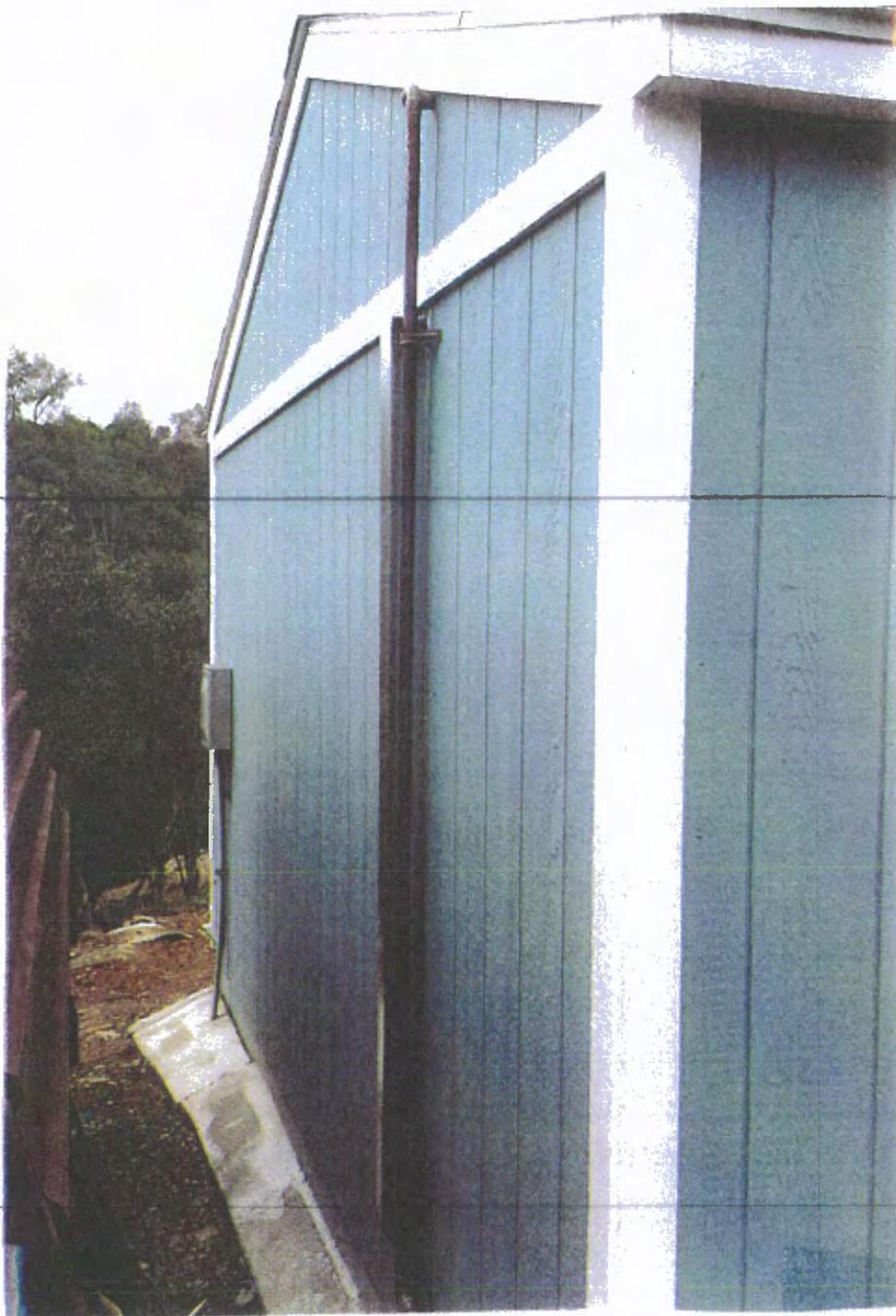
If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.



7-24-15 LEFT SIDE

IMPORTANT: In these spaces, copy the corresponding information from Section A.		FOR INSURANCE COMPANY USE	
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City Topanga	State CA	ZIP Code 90290	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.



7-24-15 REAR

October 28, 2014

Job No.: GW1223

John Guillermin
20845 Cheney Dr.
Topanga, Ca. 90290

SUBJECT: Base Flood Analysis for a "Tuff Shed", 20845 Cheney Drive, Topanga, California, 90290.

REF.: Structural Plan Set of the "Tuff Shed", 20845 Cheney Drive, Topanga, California, 90290, prepared by GeoWorks Engineering Group, Inc., Dated September 24, 2014.

FEMA Flood Map 06034C1552F, located in the vicinity of the Subject Property.

Los Angeles County GIS map, 20845 Cheney Drive, Topanga, California, 90290.

Base Flood Elevation Analysis and Interpolation Calculation, prepared by GeoWorks Engineering Group, Inc.

Gentlemen:

As requested I have performed a site observation and walk through of the above reference existing "Tuff Shed". In addition I have reviewed the referenced Structural Plan Set, FEMA Flood Map, and Los Angeles County GIS map.

BASE FLOOD ELEVATION ANALYSIS

The Base Flood Elevation Parameters: The Base Flood Elevation parameters were obtained from the referenced FEMA Flood Map. The Subject Site is located between two mapped base flood elevations located in the Santa Maria Canyon. The upstream base flood elevation is delineated as 973 feet and the downstream base flood elevation is delineated as 932 feet. The FEMA Flood Map was assigned a scale of one inch equals one unit.

BASE FLOOD ELEVATION CALCULATION

A Base Flood Elevation calculation was performed utilizing an Interpolation Equation to determine the approximate Base Flood Elevation between the documented upstream base

flood elevation and the downstream base flood elevation. The approximate base flood elevation at the subject site was calculated to be 937 feet as shown on the referenced calculation.

BASE FLOOD ELEVATION MAPPING

Utilizing the referenced GIS map and the calculated base flood elevation at the subject site the approximate limits of the base flood being an elevation of 937 feet was mapped along with the Finish Floor of the "Tuff Shed" being an elevation of 952 feet.

SUMMARY

The above itemized Base Flood calculations and mapping indicate that the Tuff Shed is approximately 15 feet above the base flood elevation. This is well over the required one foot requirement.

Based on the above discussion, calculations, and mapping, it is the opinion of this office that development of the "Tuff Shed" on the subject property as shown on the referenced Structural Plan Set is well above one foot above the base flood elevation and would not result in an adverse impact to the "Tuff Shed".

Should you have any questions, please don't hesitate to call

Respectfully submitted,



Justin D. Holt, P.E. 71452
Principal Engineer

INTERPOLATION CALCULATION

ELEVATION 1(Y1) = 973 ft.

ELEVATION 2(Y2) = 932 ft.

LENGTH 1(X1) = 0 units

LENGTH 2(X2) = 6.5 units

LENGTH 3(X3) = 5.7 units

ELEVATION 3(Y3) = $\{[(Y1-Y2)/(X2-X1)]*X3\}+Y1 =$ **937 ft.**
