

FEMA FORM 8-1 MAY 6 2010

FPUP # ~~LOMA~~ P18FC00333
 DSD # ~~N/A~~ P18BP03854

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 Lorin Cook				Policy Number:	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 2821 North Longhorn Drive				Company NAIC Number:	
City Tucson		State Arizona		ZIP Code 85749-9755	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Taxcode: 205-37-1410 Township 13 Range 16 Section 31 BEL AIR RANCH ESTATES LOT 96					
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Residential: Single Family Residence</u>					
A5. Latitude/Longitude: Lat. <u>32.258622</u> Long. <u>-110.751016</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input type="checkbox"/> NAD 1983					
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance. <small>Pima County Regional Flood Control District requires four (4) photographs.</small>					
A7. Building Diagram Number <u>IB</u>					
A8. For a building with a crawlspace or enclosure(s):					
a) Square footage of crawlspace or enclosure(s) <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>					
c) Total net area of flood openings in A8.b <u>N/A</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>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 checked="" type="checkbox"/> No					
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number Pima County / 040073			B2. County Name Pima County		B3. State Arizona
B4. Map/Panel Number 04019C1720	B5. Suffix M	B6. FIRM Index Date 09/28/2012	B7. FIRM Panel Effective/ Revised Date 09-28-2012	B8. Flood Zone(s) AE	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 2631.8
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input checked="" type="checkbox"/> FIS Profile <input type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other/Source: _____					
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: <u>Highest Adjacent Natural Grade (=100.0 ft)</u>					
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

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. 2821 North Longhorn Drive			Policy Number:
City Tucson	State Arizona	ZIP Code 85749-9755	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: CX-25 Vertical Datum: 2623 NAVD 88

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

NGVD 1929 NAVD 1988 Other/Source: See ATTACHED BENCHMARK INFO.

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>2633.3</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>2635.3</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| f) Lowest adjacent (finished) grade next to building (LAG) | <u>2630.7</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| g) Highest adjacent (finished) grade next to building (HAG) | <u>2631.4</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.

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

Certifier's Name <u>EVERETT TRUEBLOOD</u>	License Number <u>RLS 25405</u>		
Title <u>OWNER</u>			
Company Name <u>EVERETT TRUEBLOOD LAND SURVEYING</u>			
Address <u>6884 W. Hermitage Pl</u>			
City <u>Tucson</u>	State <u>AZ</u>		ZIP Code <u>85743</u>
Signature <u>[Signature]</u>	Date <u>5-3-2019</u>	Telephone <u>(520) 888-2549</u>	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)

The lowest service equipment (C3.e) is the ELEC. BOX and the AC UNIT WATER HEATER is (are) above this elevation.

Highest adjacent natural grade is 2631.2 Lowest adjacent natural grade is 2630.5

For manufactured homes only: The elevation of the bottom of the lowest horizontal structural member is N/A

For additions: The finished floor elevation of the original existing structure is N/A

THE ELECTRIC BOX AND WATER HEATER ARE ON THE NORTH SIDE WALL OF THE HOUSE. AC UNIT IS ON ROOF

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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 1–2 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 or Owner's Authorized Representative's Name

Address

City

State

ZIP Code

Signature

Date

Telephone

Comments

Check here if attachments.

ELEVATION CERTIFICATE

OMB No. 1660-0008
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City Tucson	State Arizona	ZIP Code 85749-9755	Company NAIC Number

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

Check here if attachments.

BUILDING PHOTOGRAPHS

See Instructions for Item A6.

OMB No. 1660-0008

Expiration Date: November 30, 2018

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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.

Policy Number:

2821 North Longhorn Drive

City

State

ZIP Code

Company NAIC Number

Tucson

Arizona

85749-9755

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

BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

Continuation Page

OMB No. 1660-0008

Expiration Date: November 30, 2018

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. 2821 North Longhorn Drive			Policy Number:
City Tucson	State Arizona	ZIP Code 85749-9755	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

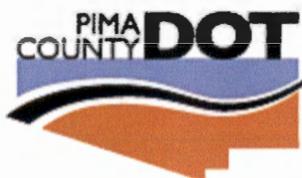
Photo Three Caption

Clear Photo Three

Photo Four

Photo Four Caption

Clear Photo Four



Pima County DOT - City of Tucson DOT

Geodetic Control Point

Township 13S, Range 15E, Index Code X25

All horizontal data based on NAD83 (HARN92). All **CORS users** should read [Use of Geodetic Control Points with NGS Datums](#) first.

This geodetic control point is, at best, third order and is not a horizontal control point as defined by [ARS 33-133](#). A monument existed at the time the geodetic position was determined. The monument that existed may have been in the proximity of, or may in fact have been, an aliquot corner, or a section corner. The survey which determined the geodetic positions was for the purpose of controlling the City of Tucson and [Pima Association of Governments Orthophoto Project](#), *not* for determining whether the monuments represented aliquot corners, or section corners nor to establish horizontal control. Also, read the [Pima County ITD GIS Disclaimer](#).

Township, Range	13S, 15E (Code C)	Occupation Date	1997-10-21
Index Code	X25	Orthometric height (NAVD88)	2,625.30
NAD 83 Northing (Y)	459,643.347	Geoid height (NAVD88)	-93.11
NAD 83 Easting (X)	1,059,083.900	Ellipsoid height (NAVD88)	2,532.19
Latitude	N 32°15'29.88847"	Orthometric height (NGVD29)	2,623.00
Longitude	W 110°45'18.16107"	Vertcon (meters)	0.700
View this point's	GPS Occupation Sheet (s)	Vertcon (feet)	2.30
Elevation ref. Field Book/Page	Trig Elev	Combined Factor	0.9999220750

Comment

There are no other occupation dates for this point

[Zoom to this control point on the Main MapGuide Map](#) using [Autodesk MapGuide](#).

[[Support Information and Glossary](#)] [[Geodetic Control Points home page](#)]

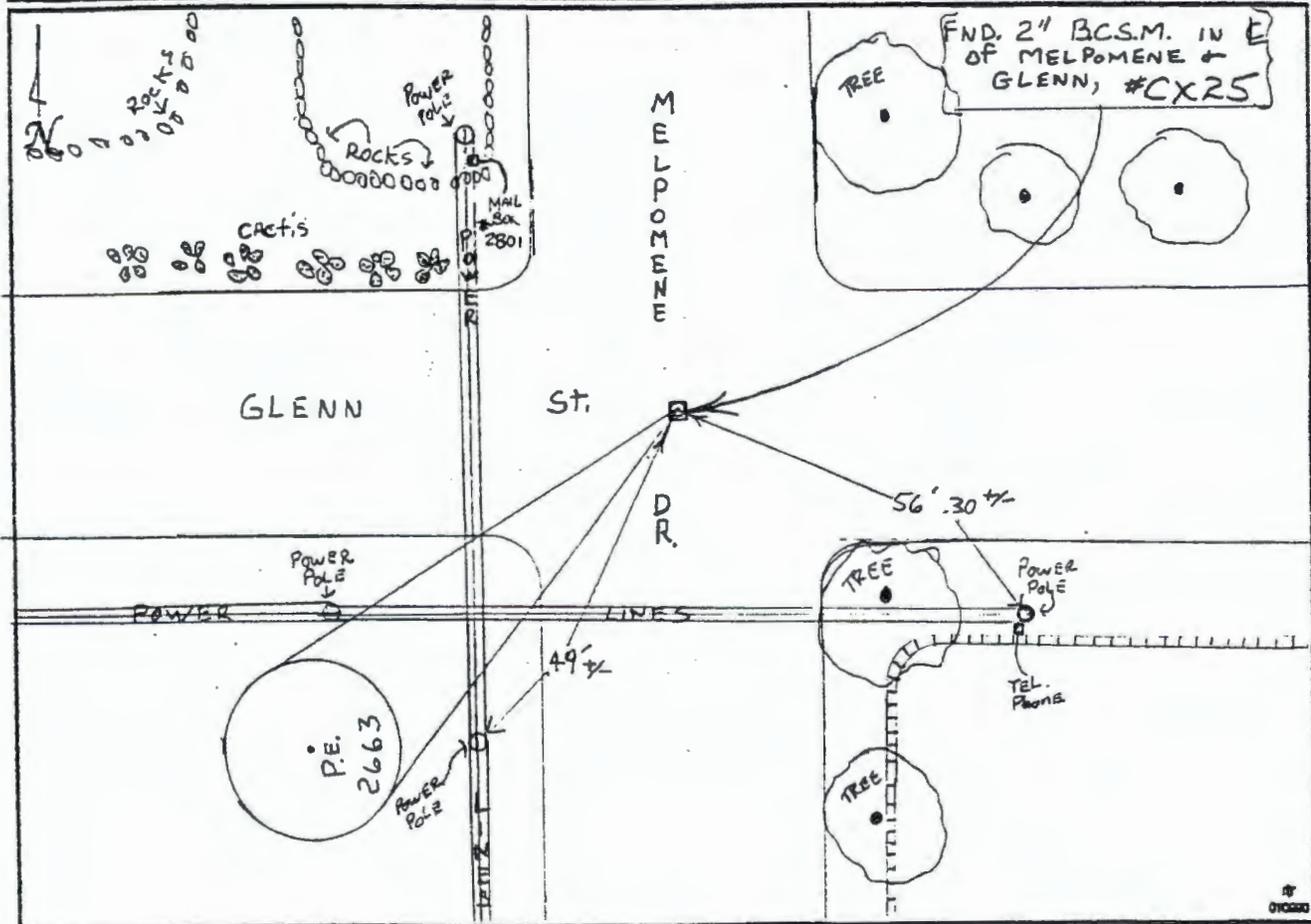
Pima County Department of Transportation and Flood Control District

Survey Section • 1313 S. Mission • Tucson, Arizona 85713 • (602) 740-2629

GPS Survey Data Sheet

E1315X25S01

Unit # 311	Project Title City of Tucson MAPPING	Project No. 40city
Station ID #/Name CX 25	Location: T 13 S R 15 E Sec. 36 E 1/4	
Prepared By P. SANCHEZ	Date: 10-21-97 Day of the Year 294E	
Starting Time - MST 9:57 utc = 16:57	Ending Time - MST 11:00 utc = 18:00	
Latitude 32° 15' 31.96 " N _S	Latitude 32° 15' 30.97 " N _S	
Longitude 110° 45' 17.72 " E _W	Longitude 110° 45' 18.31 " E _W	
Elevation Meters HL 1456 Meters	Elevation Meters HL 1456 Meters	
Geoid Undulation Meters 4' .92 TH	Geoid Undulation Meters 4' .92 TH	
Dry Bulb °C Wet Bulb °C	Dry Bulb °C Wet Bulb °C	
Pressure mmHg Rel. Humidity %	Pressure mmHg Rel. Humidity %	
Satellite Vehicles: 01, 09, 17, 23, 03, 31	Satellite Vehicles: 01, 25, 23, 03, 31, 21, 29	
Pdop = 4.0 1.6, 3.7, 2.5	Pdop = 2.5, 1.3, 2.2 1.4	
Batt = BLKS 5	Batt = BLKS 5	



NORTH SIDE
5-3-2019



NORTH & WEST SIDE
5-3-2019



EASTSIDE
5-3-2019



SOUTH SIDE
5-3-2019

