FPUP# 08-918E P0 8 CP 08406

U.S. DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency
National Flood Insurance Program

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-8.

OMB No. 1660-0008
Expires February 28, 2009

SECTION A - PROPERTY INFORMATION

For Insurance Company Use:
Policy Number
Company NAIC Number

A1. Building Owner's Name: Shawn Schultz

A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 16131 West Lynnette Road

City: Tucson State: AZ ZIP Code: 85736

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
Tax Code 301-69-1070 Township 17 Range 10 Section 03

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Accessory: Detached Garage

A5. Latitude/Longitude: Lat. 32.986885 Long. -111.306553 Horizontal Datum: ☐ NAD 1927 ☒ 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 1

A8. For a building with a crawl space or enclosure(s), provide:
a) Square footage of crawl space or enclosure(s) 900 sq ft
b) No. of permanent flood openings in the crawl space or enclosure(s) walls within 1.0 foot above adjacent grade 4
c) Total net area of flood openings in A8.b 1,024 sq in

A9. For a building with an attached garage, provide:
a) Square footage of attached garage 900 sq ft
b) No. of permanent flood openings in the attached garage walls within 1.0 foot above adjacent grade 4
c) Total net area of flood openings in A9.b 1,024 sq in

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number	B2. County Name	B3. State
Pima County / 040073	Pima County	AZ

B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	B7. FIRM Panel Effective/Revised Date	B8. Flood Zone(s)	B9. Base Flood Elevation(s) (Zone AO, use base flood depth)
04019C 3350	K	2/8/99	2/8/99	X	0.5

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 (Describe)

B11. Indicate elevation datum used for BFE in Item B9: ☐ NGVD 1929 ☐ NAVD 1988 ☒ Other (Describe) Highest Adjacent Natural Grade

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐ Yes ☒ No
Designation Date N/A ☐ CBRS ☐ OPA

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-g below according to the building diagram specified in Item A7.
Benchmark Utilized Local Vertical Datum Highest Adj. Nat. Grade
Conversion/Comments NA

Check the measurement used.

a) Top of bottom floor (including basement, crawl space, or enclosure floor)	0.7	☒ feet	☐ meters (Puerto Rico only)
b) Top of the next higher floor	0.7	☒ feet	☐ meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only)	NA	☒ feet	☐ meters (Puerto Rico only)
d) Attached garage (top of slab)	NA	☒ feet	☐ meters (Puerto Rico only)
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment in Comments)	4.0	☒ feet	☐ meters (Puerto Rico only)
f) Lowest adjacent (finished) grade (LAG)	0.6	☒ feet	☐ meters (Puerto Rico only)
g) Highest adjacent (finished) grade (HAG)	1.0	☒ feet	☐ meters (Puerto Rico only)

When B.9 is a depth above grade, it is required to indicate highest and lowest NATURAL grade in Section D Comments

SECTION D - SURVEYOR, ENGINEER, 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.*

☐ Check here if comments are provided on back of form.

Registered Professional Engineer (Civil) CERTIFICATE NO. 15293 JUSTIN M. TURNER Date Signed 12-30-08 ARIZONA, U.S.A.

Certifier's Name: Justin M. Turner PE License Number: Ariz PE Lic. 15293
Title: Principal Company Name: Arroyo Engineering LLC
Address: 5675 North Oracle Road City: Tucson State: AZ ZIP Code: 85804
Signature: Date: 12/30/08 Telephone: 520-882-0206 x14

exp 3-30-10

FPUP# 08-918E P0 8 CP 08406

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. 16131 West Lynnette Road			Policy Number
City Tucson	State AZ	ZIP Code 85736	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 lowest service equipment (C3.e) is the 100 Amp Electrical Service and the Electrical Outlets is/are above this elevation.
Highest adjacent natural grade is ~~4.2 feet~~ 1.0 ft Lowest adjacent natural grade is ~~5.0 feet~~ 0.5 ft JMT

Signature Date 12-30-08 ☒ 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, crawl space or enclosure) is _____. ____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
b) Top of bottom floor (including basement, crawl space, or enclosure) is _____. ____ ☐ feet ☐ meters ☐ above or ☐ below the LAG.

E2. For Building Diagrams 6-8 with permanent flood openings provided in Section A Items 8 and/or 9 (see page 8 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.

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's or Owner's Authorized Representative's Name

Address City State ZIP Code

Signature Date Telephone

Comments

☐ Check here if attachments

N/A

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 FPUP# 08-918E	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_____

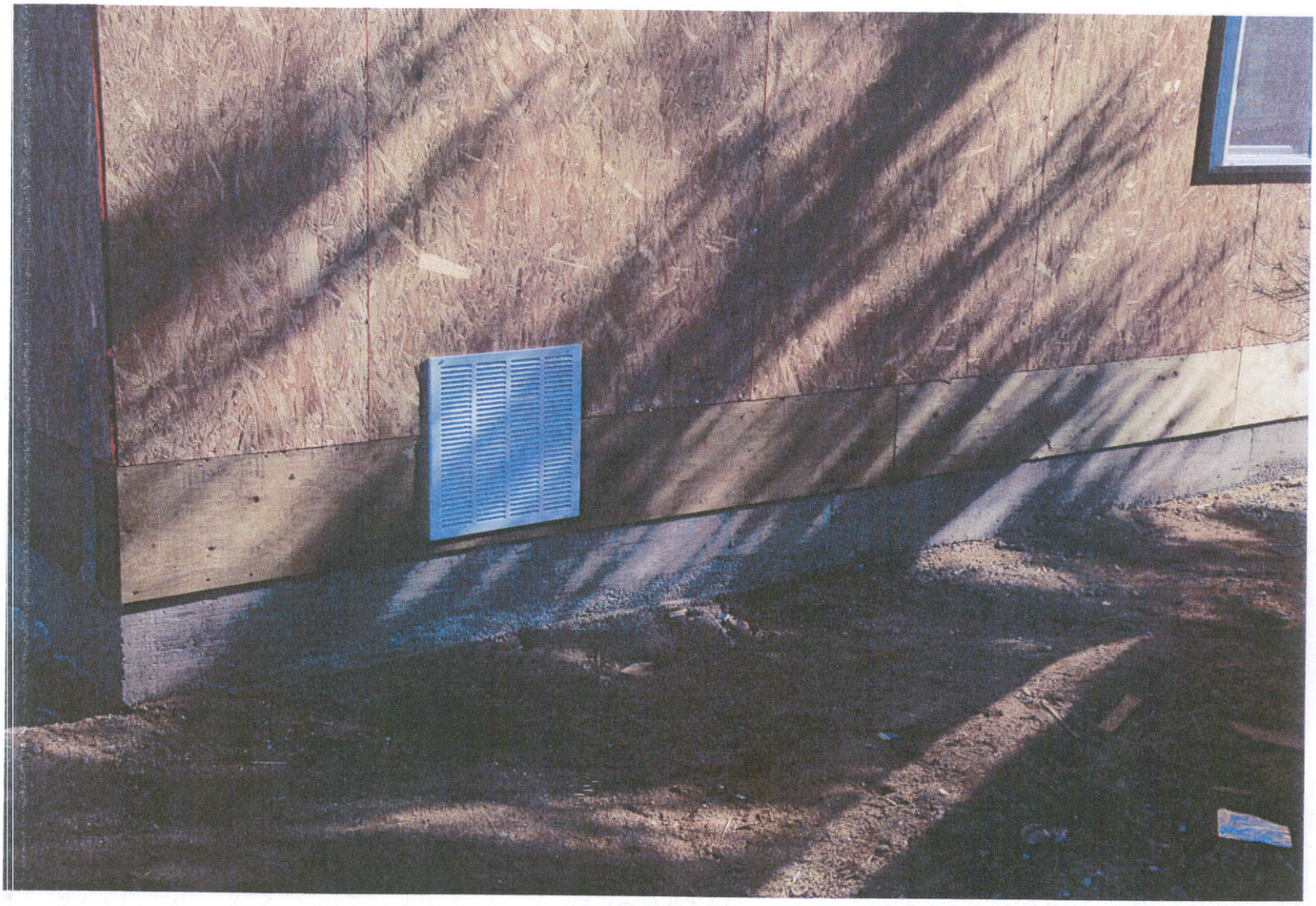
Local Official's Name Title

Community Name Telephone

Signature Date

Comments

☐ Check here if attachments



16"x16" Vent. NW Corner

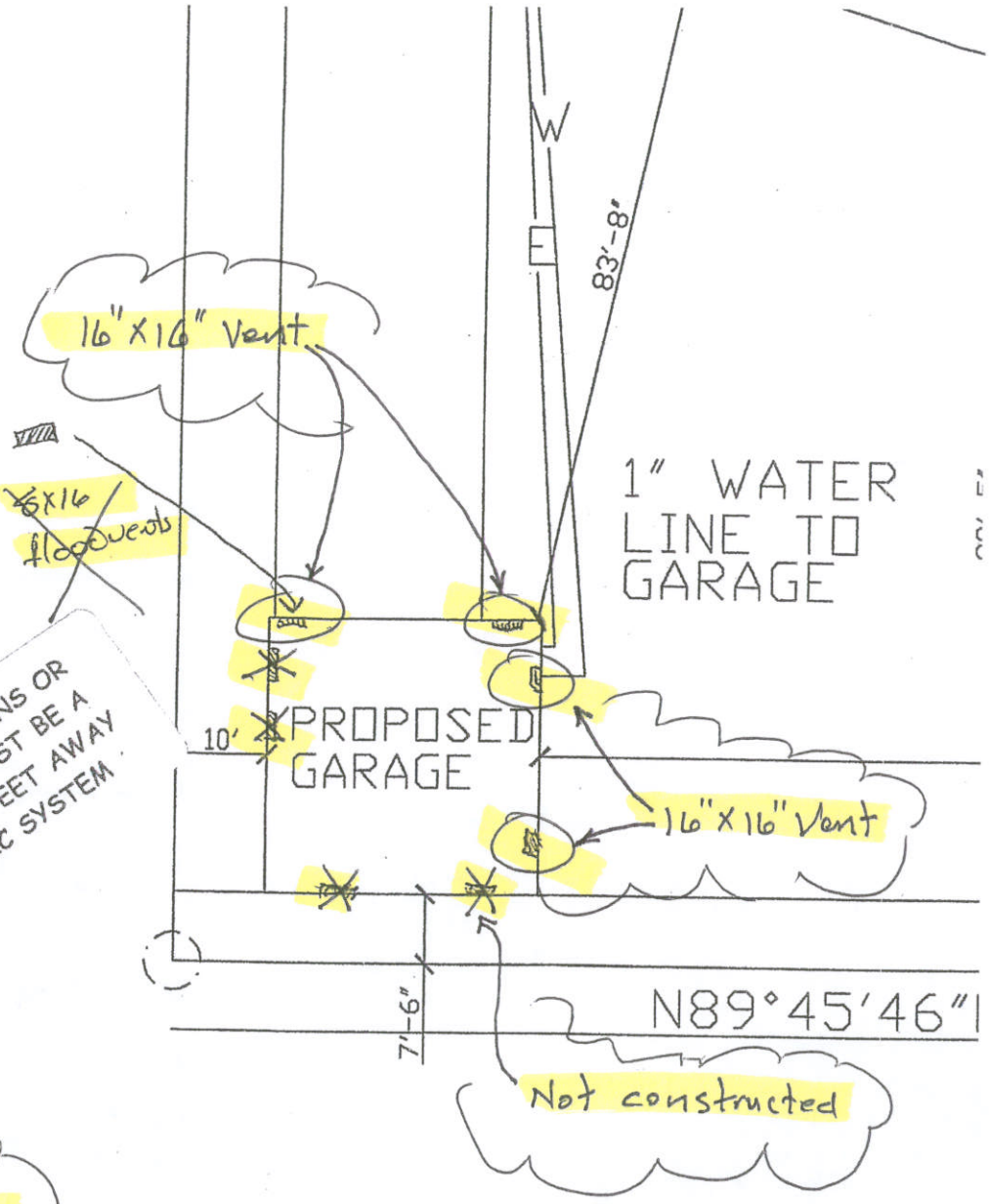
Two 16"x16" Vents, SW Corner

16"x16" Vent, SE Corner

11/24/08
Jessica Shelton
P.C. Zoning Approval
Add: Det garage 08
CR1 Lot 107

1.IF THE TOTAL GRADED AREA EXCEEDS 14,000 SQ FT, THEN TYPE I GRADING PERMIT WILL BE REQUIRED.
2.NO CUTS OR FILLS OVER 5 FEET WITHOUT GRADING PERMIT.
3.ALL UTILITY TRENCHES AND/OR LEACH FIELDS ARE TO BE RESTORED AND RE-VEGETATED.
4.NATURAL DRAINAGE NOT TO BE DISTURBED.

BUILDINGS/ADDITIONS OR MOBILE HOMES MUST BE A MINIMUM OF 10 FEET AWAY FROM A SEPTIC SYSTEM



Revised 12·30·08
Justin Turner PE
Arroyo Eng.

Registered Professional Engineer (Civil)
CERTIFICATE NO.
15293
JUSTIN M.
TURNER
Date Signed 12·30·08
ARIZONA, U.S.A.

Justin Turner
exp 9·30·10

N

SITE PLA

1" = 20.0'

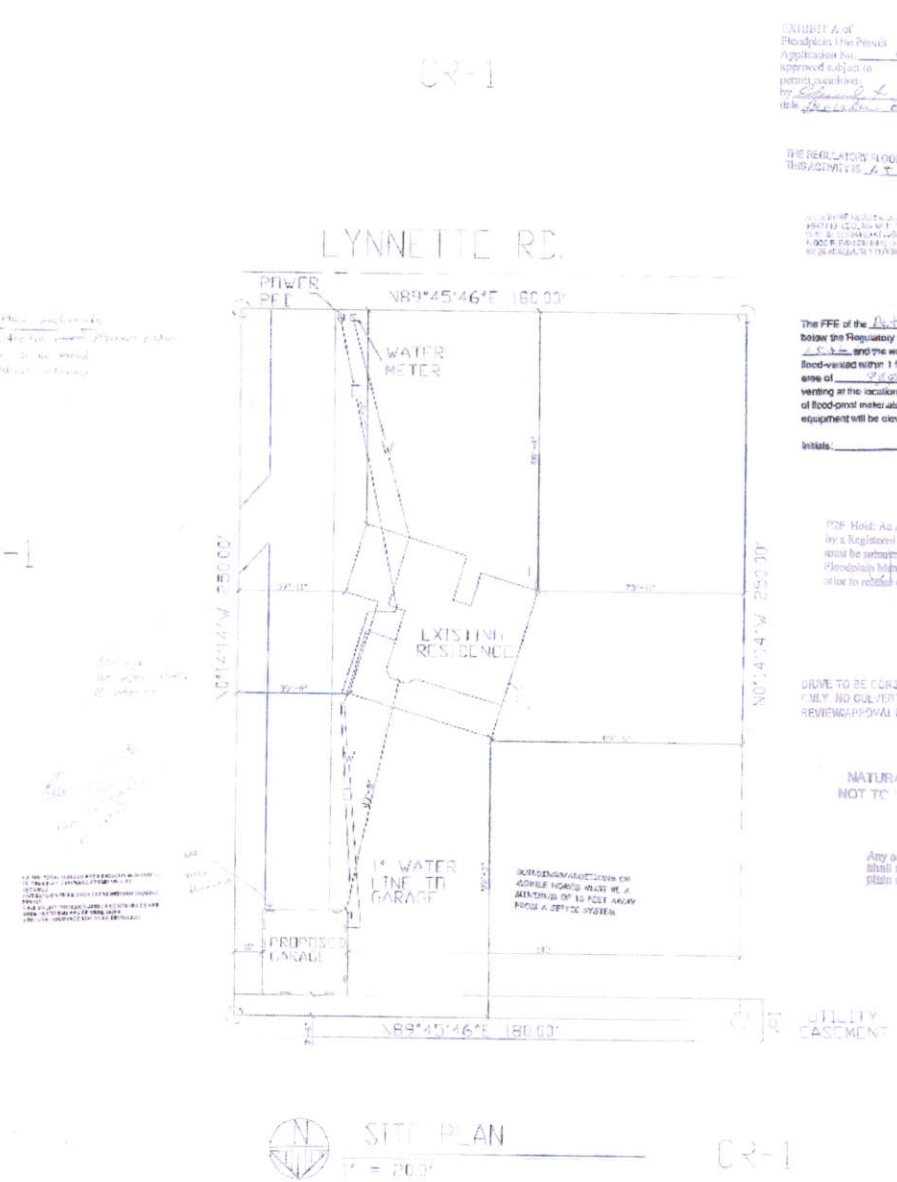


EXHIBIT A of Floodplain Use Permit Application No. 08-9148 approved subject to permit conditions by [signature] date [illegible] 01, 2008

THE REGULATORY FLOOD ELEVATION FOR THIS ACTIVITY IS 1.5 FT above Mtn.

The FFE of the Detached Garage will be below the Regulatory Flood Elevation (RFE) of 1.5 ft and the walls of this structure will be flood-vented within 1 foot of grade with a total area of 900 square inches of venting at the locations shown and constructed of flood-proof materials up to the RFE. Service equipment will be elevated at or above the RFE

Initials: _____ Date: _____

PZF Hold: An AS-Built Certificate sealed by a Registered Professional Civil Engineer must be submitted to [signature] of Floodplain Management * floor office prior to release of final inspection.

DRIVE TO BE CONSTRUCTED AT GRADE ONLY. NO CULVERT CROSSINGS WITHOUT REVIEW/APPROVAL BY FLOODPLAIN MGT.

NATURAL DRAINAGE NOT TO BE DISTURBED

Any additional uses shall require a flood plain use permit.

SITE PLAN NOTES

PIMA COUNTY

1. 6000.00' IS EQUAL TO 100.0 FT, AND IS MAIN FINISHED FLOOR ELEVATION.
2. ALL FOOTINGS SHALL EXTENDS 12" MIN INTO NATURAL GRADE FOR SINGLE STORY. ALL FILL TO BE 95% COMPACTED.
3. CONTRACTOR SHALL VERIFY LOCATIONS ARE APPROXIMATES.
4. SLOPE ALL FINISHED GRADES AWAY FROM BUILDING.
5. PROVIDE RIPRAP AT ALL SLOPES GREATER THAN 3" TO 1" 50% ROCK, 50% PLANTS.
6. ALL NATURAL VEGETATION MUST BE PRESERVED EXCEPT THAT WHICH IS CONTAINED DIRECTLY WITHIN THE BUILDING AREA ALTERATION TO THE EXISTING LANDSCAPE SHALL BE PERMITTED ONLY IN THE BUILDING ENVELOPE.
7. ANY FUTURE CONSTRUCTION INCLUDING PATIO WALLS AND LANDSCAPE ALTERATIONS MUST BE CONTAINED COMPLETELY WITHIN BUILDING ENVELOPE AND IS SUBJECT TO APPROVAL.
8. REPAIR ALL DAMAGE TO SITE CAUSED BY CONSTRUCTION:
   - A) REPAIR ALL GRADING AND EXCAVATION DAMAGE.
   - B) RESTORE ALL VEGETATION DESTROYED OUTSIDE IMMEDIATE BUILDING PAD.
   - C) REPLANT USING NATIVE PLANT MATERIALS NATIVE TO THIS SPECIFIC SITE.
   - D) RIPRAP OR OTHERWISE PROTECT EXPOSED SLOPES: I.E. 50% ROCK 50% PLANT.
9. PAINT OR COATING FINISH REQUIRED FORE THE FOLLOWING:
   - A) ALL EXPOSED SHEET METAL.
   - B) ALL EXPOSED UTILITY DEVISE (METERS, PIPES, OUTLETS, ETC.).
   - C) ALL BUILT-UP ROOFS (NOT WHITE OR REFLECTIVE-SUBMIT COLOR.

INDEX

1 SITE PLAN & TITLE SHEET
2 FOUNDATION & FLOOR PLAN
3 FRAMING & ELEVATIONS
4 PLUMBING & ELECTRICAL PLAN

PROJECT INFORMATION

LEGAL DESCRIPTION

DIAMOND BELL RANCH TUCSON
UNIT 11 LOT 107
PARCEL# 301-69-1070

LOT COVERAGE

LOT AREA	=	46,259 SQ. FT.
MAIN RESIDENCE	=	1,964 SQ. FT.
EXISTING PATIOS	=	1,256 SQ. FT.
NEW GARAGE		900 SQ. FT.
PARKING AREA		5,500 SQ. FT.
TOTAL USE	=	9,620 SQ. F
PERCENTAGE	=	48 %

CODE REFERENCE

2006 IRC

OWNERS INFORMATION

NAME: SCHULTZ RESIDENCE

PROJECT ADDRESS: 16131 W. LYNNETTE RD. TUCSON, ARIZONA 85736

LEGEND

PROPERTY LINE	
MIN. SETBACKS	
STREET CENTER LINE	
ELECTRIC	E
GAS	G
SEWER	S
WATER	W

REVISIONS

PATIO ADDITION

SITE / GRADING PLAN

HOME OWNER
SCHULTZ RESIDENCE

16131 W. LYNNETTE RD.
TUCSON, ARIZONA
85736

PARCEL: 301-69-1070

DRAFTING COMPANY

INDEPENDENT DRAFTING & DESIGN

TUCSON, ARIZONA
520-835-3673

DRAWN BY: B.CLEMONS
CHECKED BY: B.CLEMONS
DATE: 11/29/08
SCALE: 1" = 20.0'
JOB NO.: 08-000
SHEET: 1
OF 4 SHEETS

FLOOR ELEVATION.

AL GRADE FOR SINGLE STORY

MATES.

TO 1'. 50% ROCK,

EPT THAT WHICH IS CONTAINED DIRECTLY
STING LANDSCAPE SHALL BE PERMITTED

AND LANDSCAPE ALTERATIONS MUST BE
AND IS SUBJECT TO APPROVAL.

ION:
E.
IE.

TIVE TO THIS SPECIFIC SITE.
IPES: I.E.

OWING:

S, OUTLETS, ETC.).
IVE-SUBMIT COLOR.

Applicant Copy

PO8CP0 8406

REVISIONS:	BY:

PATIO ADDITION

SITE / GRADING PLAN

HOME OWNER

SCHULTZ RESIDENCE

1-8-98

PIMA COUNTY FLOODPLAIN USE PERMIT APPLICATION

PIMA COUNTY REGIONAL FLOOD CONTROL DISTRICT
97 E. CONGRESS STREET, 3RD FLOOR
TUCSON, ARIZONA 85701-1797
(520) 243-1800

TO BE FILLED OUT BY APPLICANT (PLEASE PRINT CLEARLY):

DS ACTIVITY NUMBER P08CP0X406

DATE	TOWNSHIP	RANGE	SECTION	TAX CODE
11-24-08	17	10E	03	301-69-1070

PROPERTY OWNER'S LAST NAME	PROPERTY OWNER'S FIRST NAME	PROPERTY OWNER'S PHONE NUMBER
Schultz		

APPLICANT'S LAST NAME	APPLICANT'S FIRST NAME	APPLICANT'S PHONE NUMBER
~~Donald~~ Clemons	Donald	235-3673

PROJECT SITE ADDRESS	CITY	STATE	ZIP
16131 W. LYNNETTE Rd	Tucson	AZ	85736

APPLICANT'S MAILING ADDRESS	CITY	STATE	ZIP
3535 N 1st Ave APT#L102	Tucson	AZ	85719

SUBDIVISION AND LOT NUMBER OR PARCEL LEGAL DESCRIPTION
Diamond Bell Ranch Tucson Unit 11 Lot 107

DESCRIPTION OF WORK (A site plan DRAWN TO SCALE and showing ALL proposed work must be attached)
Detached Garage

DESCRIPTION OF SUPPORTING INFORMATION BEING SUBMITTED
Roll Plans

IF THIS PERMIT IS FOR A STRUCTURE, METHOD OF PROTECTION FROM FLOODING MUST BE INDICATED (CHECK ALL THAT APPLY)
If residence has an attached garage, is the garage FFE below the elevation of the residence? (circle one) Yes No

ELEVATED ON FILL: ☐	ELEVATED ON STEM WALL (DOES NOT INCL. BLOCK SKIRTING):	ELEVATED ON PIERS: ☐ (NOTE PIER TYPE ON PLAN)	VENTED AND/OR FLOODPROOFED ☑	OTHER (EXPLAIN)
EXTENDS 25 FT FROM STRUCTURE: ☐	BACKFILLED ☐	NO SKIRTING ☐	BLDG AREA(SQFT): 900	
ENGINEERED ALTERNATIVE: ☐	FLOOD-VENTED ☐	BREAK-AWAY SKIRTING ☐	(SHOW SIZE/LOCATION OF VENTS ON SITE PLAN)	
		BLOCK SKIRTING ☐		

By signing this permit application, the undersigned applies for a permit pursuant and subject to the requirements to the FLOODPLAIN AND EROSION HAZARD MANAGEMENT ORDINANCE NO. 2005-FC2 and hereby agrees to abide by all the Covenants, Conditions, and Restrictions contained or referred to herein and to indemnify, defend, and hold harmless Pima County and the Regional Flood Control District and their agents from and against any and all suits, claims, or demands associated with the approval of this application.

APPLICANT SIGNATURE Donald Clemons

This application becomes a valid permit only when completed and signed approved by the Regional Flood Control District below and accepted by applicant on reverse. Validated permit is subject to the conditions indicated on the reverse and attachments (if any).

THIS PORTION AND REVERSE TO BE COMPLETED BY PIMA COUNTY REGIONAL FLOOD CONTROL DISTRICT

PREP BY	AREA	PERMIT NUMBER	CODE	ZONE	PANEL/DATE	ENGINEERING INCLUDED IN FILE		STATUS	DATE
EPE	5	08-918E	GAR	X Sheet Flood	3350K 2-8-99			REC'D	11-24-08
AS BUILT		MH INSTALL. CERTIFICATION	ELEV. CERT OR FLOOD PROOF		COVENANTS R A B S	YES	NO	APPR	12/1/08
REQ'D	COMP	REQ'D COMP	REQ'D	COMP	REQ'D	COMP	RIPARIAN HABITAT	ISSUED	12-10-08

AMOUNT OF RIPARIAN DISTURBANCE (SQ FT): N/A	CUMMULATIVE RIPARIAN DISTURBANCE (SQ FT): N/A	H A B C D N/A IRA? Y/N PLAN? Y/N
APPROVED	DATE 12/1/08	

.2/15/2006

GENERAL CONDITIONS (applicable to all floodplain use permits)

Applicant agrees to comply with all conditions and restrictions as stated in Pima County Floodplain and Erosion Hazard Management Ordinance No. 2005-FC2 (hereafter Title 16 of the Pima County Code), as recorded in the office of the Pima County, Recorder, Pima County, Arizona, as Title 16 at Docket 12643, Pages 825 - 891.

This permit shall be valid for a period of one (1) year from the date of approval. This permit can be revoked subject to the provisions of Title 16 at 16.20.060.

Applicant assumes responsibility for engineering, design, construction, inspection and maintenance associated with all improvements and facilities covered by this permit and hereby certifies that any and all federal, state, and other local permits required for the activity covered by this permit, including but not limited to any and all permits required under the Clean Water Act, have been obtained. Natural drainage shall not be altered, disturbed or obstructed, other than as allowed under this permit.

By the issuance of this permit, Pima County Regional Flood Control makes no representation regarding applicant's authority or permission to enter into and upon the lands of third parties. It is the responsibility of the applicant to obtain any and all rights of entry or easements from any or all third party landowners, which may be necessary to effectuate the conditions of this permit.

Uses allowed under this permit shall be confined to those described in the application on reverse and shall conform to the limits shown on the plot plan, EXHIBIT A, attached hereto and incorporated by reference herein.

Special conditions for Floodplain Use Permit No. 08-918 (Page 1 of 1)

Permittee acknowledges that the subject property is located within a Special Study floodplain and/or erosion hazard area as shown in the report: *#46, Sheet Flood Mapping for Unincorporated Pima County* (dated 8-8-2007).

The District recommends that flood insurance be purchased for any insurable structure within the flood prone area.

Permit is for a Detached Garage (P08CP08406) as shown on the site plan approved by the Zoning Section of Pima County Development Services Department dated 11-24-2008. The activity is located within the sheet flow flood hazard area.

For purposes of this permit the following flood elevations shall be used:
Base Flood Elevation (BFE) = 0.5 feet above highest adjacent natural grade
Regulatory Flood Elevation (RFE) = 1.5 feet above highest adjacent natural grade

Applicant has indicated that the finished floor of the detached garage will be constructed below the RFE. Any fully enclosed, non-habitable area (i.e. attached garage) or structure with a finished floor below the RFE, which is usable solely for vehicle parking or storage, shall be flood vented to equalize flood forces by allowing for the automatic entry and exit of floodwaters and shall be constructed of flood-proof materials up to the Regulatory Flood Elevation in accordance with 44 CFR §60.3. Flood venting shall be on at least two opposing exterior walls in the direction of flow with the bottom of the vents within one foot of grade. **The total area of flood vents shall be equal to at least one square inch of venting per square foot of enclosed area**. Flood-proof materials are those that can be inundated by floodwaters with little or no damage, such as concrete, stone, masonry, pressure-treated lumber, and epoxy paint. Vented and/or flood-proofed areas or structures must remain non-habitable unless brought into compliance.

Service facilities such as electrical, heating and cooling, water heaters, pool and well equipment shall be constructed at or above the Regulatory Flood Elevation (RFE).

Structure shall remain non-habitable.

P2F - COMPLETED ELEVATION CERTIFICATE FOR FINISHED CONSTRUCTION TO BE RETURNED TO FLOODPLAIN MANAGEMENT PRIOR TO FINAL INSPECTION (P2F). This Elevation Certificate must be completed by an Arizona registered land surveyor or engineer and must include the identity and elevation of the lowest service equipment/machinery servicing the building as well as the identity and location of all other equipment/machinery servicing the building.

This permit is valid only after the recording of certain Covenants and Restrictions, which run with the land and are to be considered as conditions upon which this Floodplain Use Permit is issued.

Drive to be constructed at grade only. No culvert crossings without review/approval by Floodplain Management.

Any additional improvements, including structures, fencing, block walls, swimming pools, etc., shall require a separate Floodplain Use Permit prior to construction. Natural drainage not to be disturbed.

APPLICANT ACCEPTANCE SIGNATURE	Elevation Certificate Received? Y NA	DATE
[signature]		12·10·08