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

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-9.

OMB No. 1660-0008
Expires March 31, 2012

SECTION A - PROPERTY INFORMATION

For Insurance Company Use:
Policy Number
Company NAIC Number

A1. Building Owner's Name ROBERT JAQUEZ

A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
100 ROAD 2999
City AZTEC State NM ZIP Code 87410

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
PARCEL # 2063179508304

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) RESIDENTIAL
A5. Latitude/Longitude: Lat. 36 50 31.8 Long. 107 59 12.4 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 9
A8. For a building with a crawlspace or enclosure(s):
a) Square footage of crawlspace or enclosure(s) 2457.0 sq ft
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade 0
c) Total net area of flood openings in A8.b 0 sq in
d) Engineered flood openings? ☐ Yes ☒ No

A9. For a building with an attached garage:
a) Square footage of attached garage 0 sq ft
b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade NA
c) Total net area of flood openings in A9.b NA sq in
d) Engineered flood openings? ☐ Yes ☐ No

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number	B2. County Name	B3. State
SAN JUAN COUNTY / 350064	SAN JUAN	NEW MEXICO

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)
35045C / 0730	F	8/5/2010	8/5/2010	A	5630.80

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) FEMA QUICK-2 PROGRAM
B11. Indicate elevation datum used for BFE in Item B9: ☐ NGVD 1929 ☒ NAVD 1988 ☐ Other (Describe) _____
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐ Yes ☒ No
Designation Date _____ ☐ 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-h below according to the building diagram specified in Item A7. Use the same datum as the BFE.
Benchmark Utilized GPS(OPUS) Vertical Datum NAVD88
Conversion/Comments _____

			Check the measurement used.	
a)	Top of bottom floor (including basement, crawlspace, or enclosure floor)	5631.22	☒ feet	☐ meters (Puerto Rico only)
b)	Top of the next higher floor	5634.22	☒ 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)	5632.79	☒ feet	☐ meters (Puerto Rico only)
e)	Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	NA	☐ feet	☐ meters (Puerto Rico only)
f)	Lowest adjacent (finished) grade next to building (LAG)	5632.46	☒ feet	☐ meters (Puerto Rico only)
g)	Highest adjacent (finished) grade next to building (HAG)	5632.70	☒ feet	☐ meters (Puerto Rico only)
h)	Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	NA	☐ feet	☐ 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.*

☒ Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor? ☐ Yes ☒ No

Certifier's Name Paul F. Martin License Number 8548
Title CEO Company Name Sakura Engineering
Address 125 West Main Street City Farmington State NM ZIP Code 87401
Signature Paul F. Martin Date 6-18-12 Telephone 505-564-2139

PAUL FRANCIS MARTIN NEW MEXICO 8548 REGISTERED PROFESSIONAL ENGINEER

ANT: In these spaces, copy the corresponding information from Section A.	For Insurance Company Use:
g Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 100 ROAD 2999	Policy Number
ity AZTECState NM ZIP Code 87410	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 SET BENCH MARK ELEVATION ON SIDEWALK BY HOUSE BEING AN "X" MARKED ON CONCRETE. ELEVATION IS (NAVD88) 5632.45. FLOODING THREAT IS FROM THE ANIMAS RIVER.

Signature 6-18-12 Date

☐ 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)

he 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), nd G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8 and G9.

1. ☐ 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.)
2. ☐ A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
3. ☐ 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

7. This permit has been issued for: ☐ New Construction ☐ Substantial Improvement
8. Elevation of as-built lowest floor (including basement) of the building: _____._____ ☐ feet ☐ meters (PR) Datum _____
9. BFE or (in Zone AO) depth of flooding at the building site: _____._____ ☐ feet ☐ meters (PR) Datum _____
10. 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.

	For Insurance Company Use:
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 100 ROAD 2999	Policy Number
City AZTEC State NM ZIP Code 87410	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 on the reverse.

FRONT VIEW TAKEN 6/6/2012

Building Photographs

Continuation Page

	For Insurance Company Use:
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 100 ROAD 2999	Policy Number
City AZTEC State NM ZIP Code 87410	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."

REAR VIEW TAKEN 6/6/2012

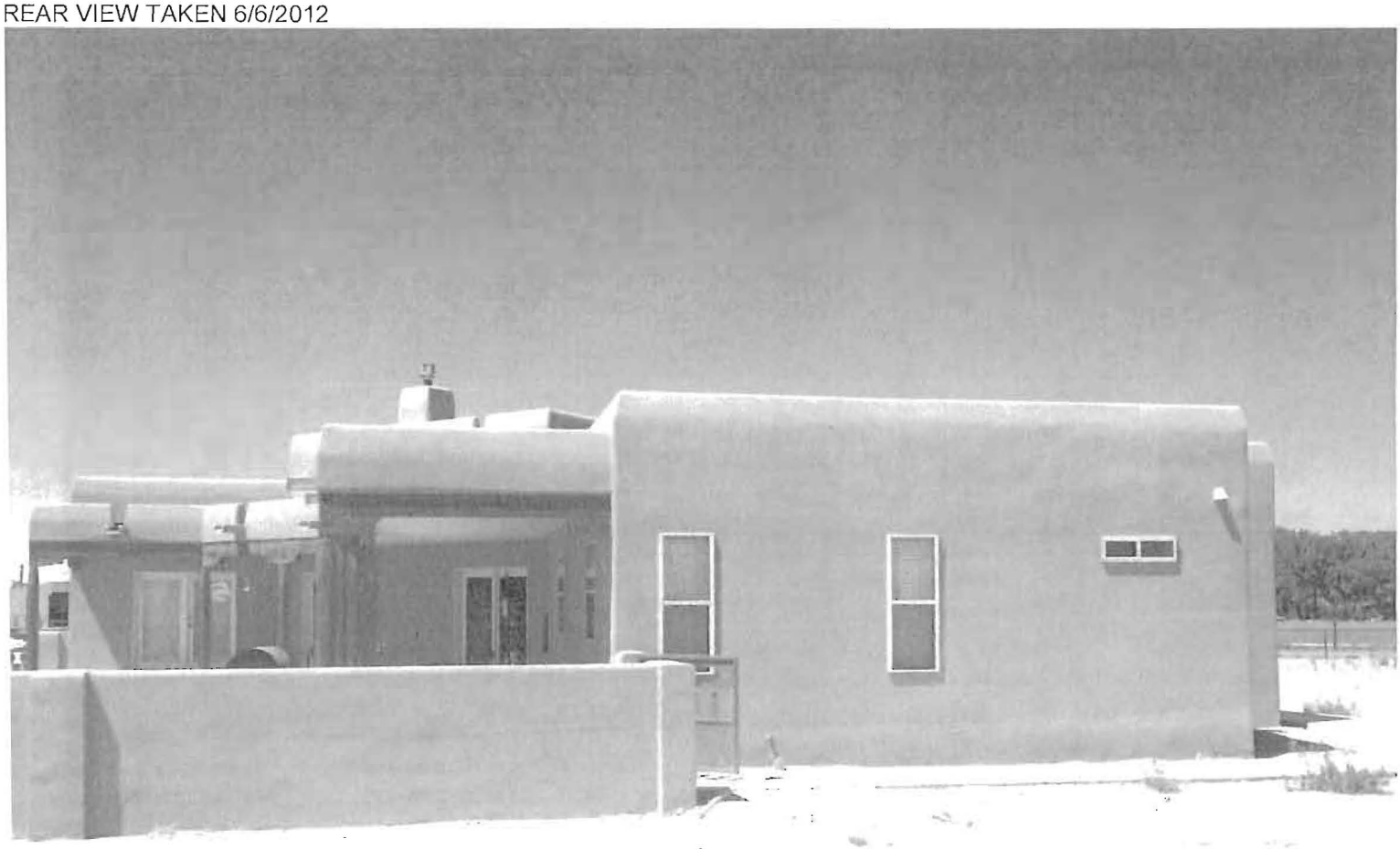


DIAGRAM 7

All buildings elevated on full-story foundation walls with a partially or fully enclosed area below the elevated floor. This includes walkout levels, where at least one side is at or above grade. The principal use of this building is located in the elevated floors of the building.

Distinguishing Feature – For all zones, the area below the elevated floor is enclosed, either partially or fully. In A Zones, the partially or fully enclosed area below the elevated floor is with or without openings* present in the walls of the enclosure. Indicate information about enclosure size and openings in Section A – Property Information.

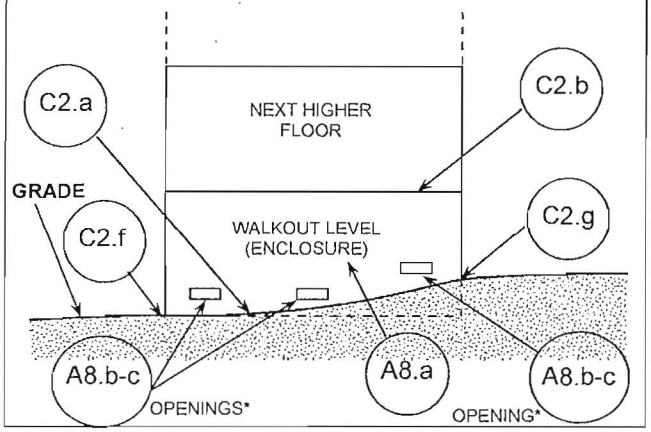


DIAGRAM 8

All buildings elevated on a crawlspace with the floor of the crawlspace at or above grade on at least one side, with or without an attached garage.

Distinguishing Feature – For all zones, the area below the first floor is enclosed by solid or partial perimeter walls. In all A zones, the crawlspace is with or without openings* present in the walls of the crawlspace. Indicate information about crawlspace size and openings in Section A – Property Information.

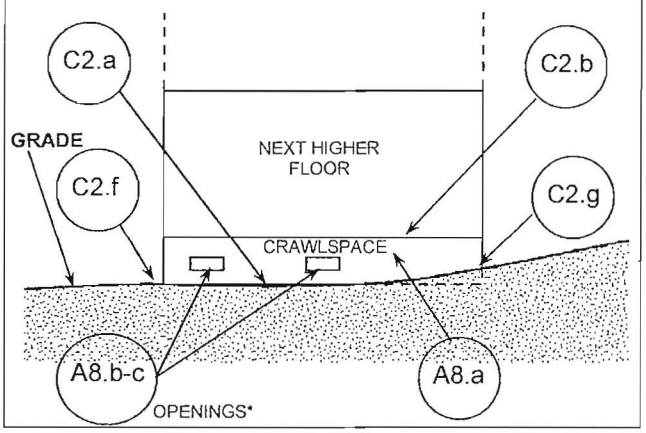


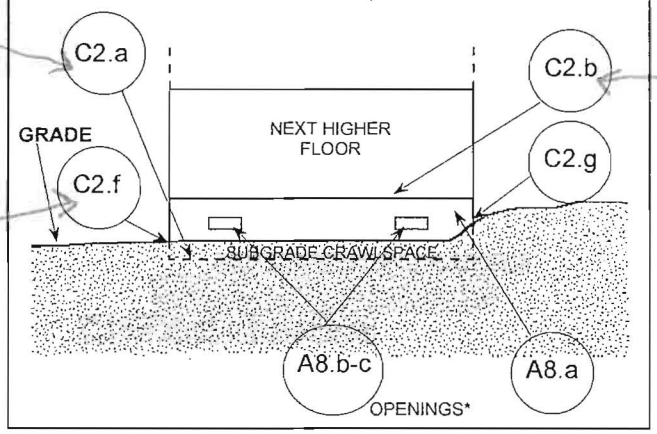
DIAGRAM 9

All buildings (other than split-level) elevated on a sub-grade crawlspace, with or without attached garage.

Distinguishing Feature – The bottom (crawlspace) floor is at or below ground level (grade) on all sides.** (If the distance from the crawlspace floor to the top of the next higher floor is more than 5 feet, or the crawlspace floor is more than 2 feet below the grade (LAG) on all sides, use Diagram 2.)

563122

5634.22



5632.46

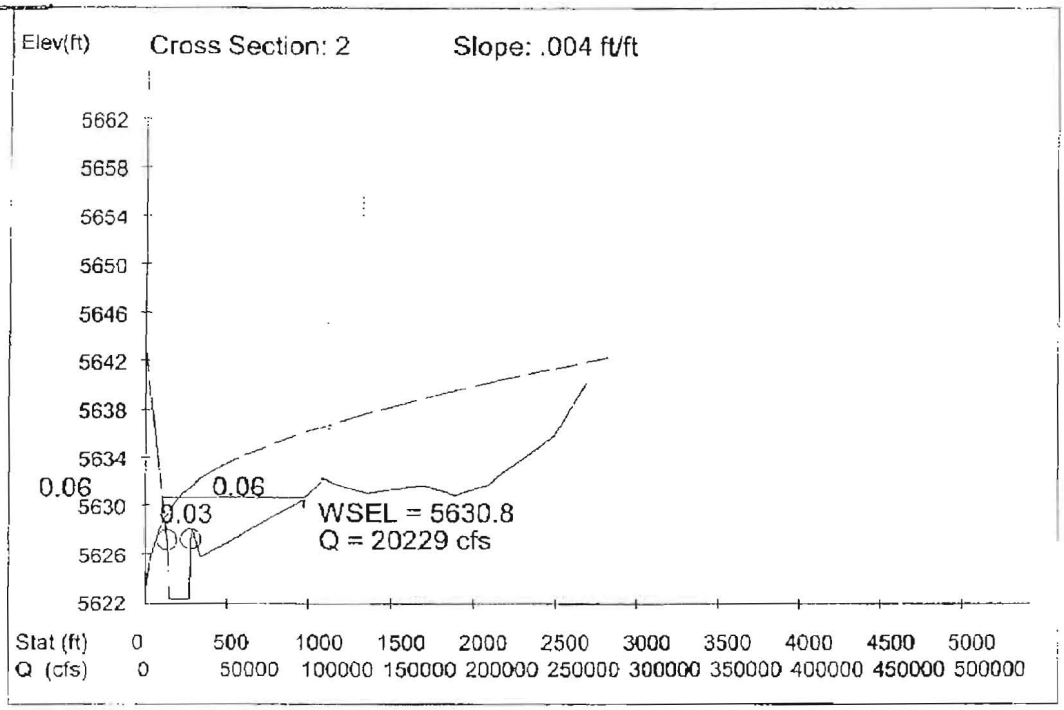
B.F.E = 5630.80

* An "opening" is a permanent opening that allows for the free passage of water automatically in both directions without human intervention. Under the NFIP, a minimum of two openings is required for enclosures or crawlspaces. The openings shall provide a total net area of not less than one square inch for every square foot of area enclosed, excluding any bars, louvers, or other covers of the opening. Alternatively, an Individual Engineered Flood Openings Certification or an Evaluation Report issued by the International Code Council Evaluation Service (ICC ES) must be submitted to document that the design of the openings will allow for the automatic equalization of hydrostatic flood forces on exterior walls. A window, a door, or a garage door is not considered an opening; openings may be installed in doors. Openings shall be on at least two sides of the enclosed area. If a building has more than one enclosed area, each area must have openings to allow floodwater to directly enter. The bottom of the openings must be no higher than one foot above the higher of the exterior or interior grade or floor immediately below the opening. For more guidance on openings, see NFIP Technical Bulletin 1.

** A floor that is below ground level (grade) on all sides is considered a basement even if the floor is used for living purposes, or as an office, garage, workshop, etc.

100 ROAD 2999

1



South Line

100 RD 2999

(2)

Cross Section: 2 Type: * Irregular Channel

Stat	Elev	Stat	Elev	Stat	Elev	Stat	Elev
0	5643	130	5627.4	148	5622.4	269	5622.4
278	5627.4	286	5628.3	334	5625.9	967	5630.6
968	5630	976	5630.9	997	5631.1	1083	5632.5
1355	5631.2	1690	5632	1890	5631	2090	5632
2290	5634	2490	5636	2690	5640.4	0	0

	Left	Channel	Right	CC: 0.1	CE: 0.3
N Values	0.06	0.03	0.06		
Bank Stat	130.1		277.5		
Reach Len	0	0	0		

CWSEL	5630.8	Elmin	5622.36	Froude#	1.01
EG	5632.59	Depth	8.44	EG Slope	0.004
Chan Vel	12.45	TopWidth	874.3	CritDepth	5630.86
Discharge	20229	KRatio	1	FlowType	Near-Critical

3

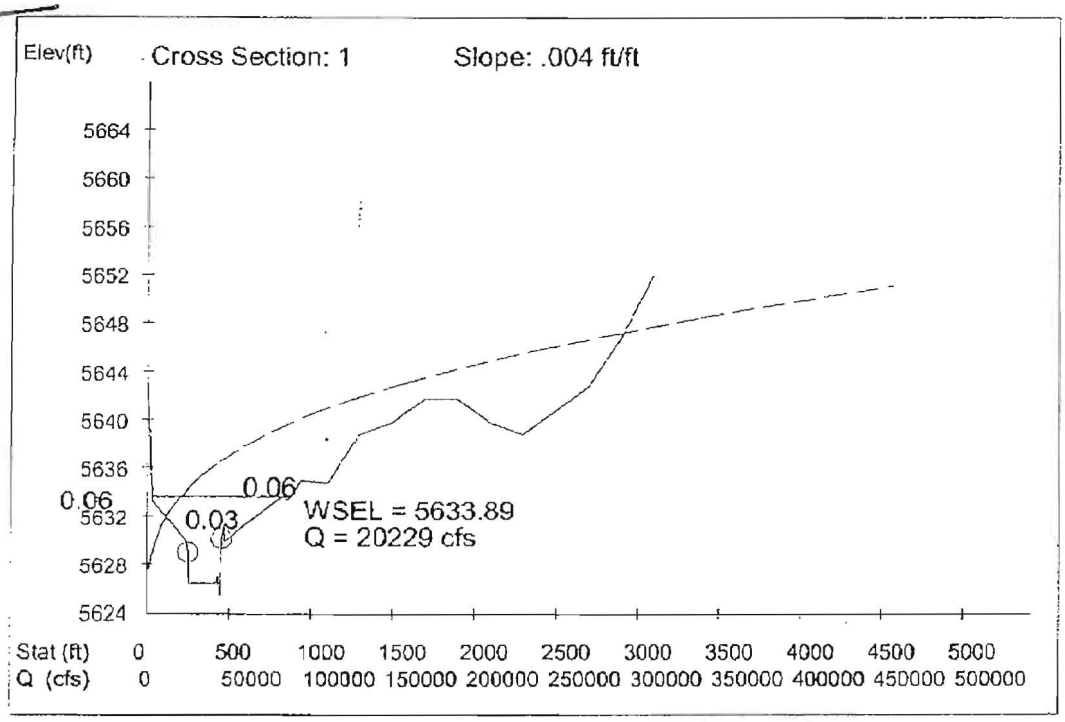
ross Section: 2 Energy Slope: 0.004

Stat	Elev	Stat	Elev	Stat	Elev	Stat	Elev
0	5643	130	5627.4	148	5622.4	269	5622.4
278	5627.4	286	5628.3	334	5625.9	967	5630.6
968	5630	976	5630.9	997	5631.1	1083	5632.5
1355	5631.2	1690	5632	1890	5631	2090	5632
2290	5634	2490	5636	2690	5640.4	0	0

	Left	Channel	Right
N Values	0.06	0.03	0.06
Bank Stat	130.1		277.5

CWSEL	Q (CFS)	Area (Sq Ft)
5622.36	0	0
5623	182	78.8
5624.03	905	210.4
5625.06	2029	347.5
5626.1	3502	493.3
5627.13	5427	755.7
5628.16	8189	1190.7
5629.19	11966	1795.4
5630.23	16841	2551.4
5631.26	23308	3462.5
5632.29	32171	5111.8
5633.32	44636	7261.5
5634.35	60263	9530.2
5635.39	78907	11914.3
5636.42	100476	14408.9
5637.45	124920	16971.1
5638.48	152080	19590.4
5639.52	181887	22266.9
5640.55	214316	25000.2
5641.58	249446	27760.5
5642.61	287028	30529.6

④



North Line

1/4 RD 2999

5

.oss Section: 1 Energy Slope: 0.004

Stat	Elev	Stat	Elev	Stat	Elev	Stat	Elev
0	5643.2	30	5633.5	242	5630.2	249	5629.2
252	5626.6	421	5626.6	423	5627	427	5627.2
442	5625.5	454	5630.3	468	5631.5	472	5630.1
853	5634.2	854	5633.5	878	5633.9	941	5635.2
1102	5635	1294	5639	1494	5640	1694	5642
1894	5642	2094	5640	2294	5639	2494	5641
0	47	0	94	0	0	0	0

	Left	Channel	Right
N Values	0.06	0.03	0.06
Bank Stat	248.8		454

CWSEL	Q (CFS)	Area (Sq Ft)
5625.53	0	0
5626	1	1.3
5627.33	383	147.6
5628.66	2067	410.7
5629.99	4723	682.5
5631.32	8415	1084
5632.65	13618	1777.8
5633.98	20780	2749.2
5635.31	30660	3970.4
5636.65	43378	5472.1
5637.98	58757	7063.2
5639.31	76749	8764.9
5640.64	98332	11079
5641.97	124690	13978
5643.3	156911	17502.6
5644.63	194777	21151.6
5645.96	237710	24889.1
5647.29	285533	28714.7
5648.62	338242	32614.7
5649.95	395550	36583
5651.28	457360	40619.5

(6)

Cross Section: 1 Type: * Irregular Channel

Stat	Elev	Stat	Elev	Stat	Elev	Stat	Elev
0	5643.2	30	5633.5	242	5630.2	249	5629.2
252	5626.6	421	5626.6	423	5627	427	5627.2
442	5625.5	454	5630.3	468	5631.5	472	5630.1
853	5634.2	854	5633.5	878	5633.9	941	5635.2
1102	5635	1294	5639	1494	5640	1694	5642
1894	5642	2094	5640	2294	5639	2494	5641
0	47	0	94	0	0	0	0

	Left	Channel	Right	CC:	0.1	CE:	0.3
N Values	0.06	0.03	0.06				
Bank Stat	248.8		454				
Reach Len	0	0	0				

CWSEL	5633.89	Elmin	5625.53	Froude#	1.05
EG	5635.7	Depth	8.36	EG Slope	0.004
Chan Vel	11.64	TopWidth	819	CritDepth	5633.67
Discharge	20229	KRatio	1	FlowType	Near-Critical

Sakura Engineering

125 West Main St., Suite A
Farmington, New Mexico 87401
(505) 564-2139 Office
(505) 564-2310 Fax

To: Michele Tenby Fax Number 505-334-0805

Subject Flood Survey Road 2999

Telephone Number: 505-334-1180

Number of Pages 7 (includes the cover sheet)

PLEASE REPLY PLEASE REVIEW PLEASE COMMENT INFORMATION ONLY

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Sakura: Please check the phone number, this document was sent in error.

Project Number: 2012-307 Date: 7-2-12