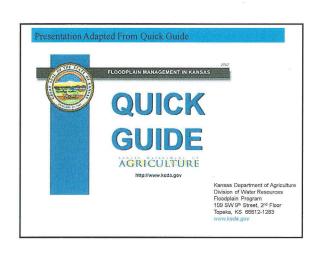
### Elevation Certificate and LOMA b f a h g





### Discussion Topics

- Basics of the National Flood Insurance Program
- •Why do we need elevation certificates.
- FEMA maps
- Base Flood Elevation
- Elevation Certificates
- •When is LOMA better than EC
- •Where to get additional information

### National Flood Insurance Act of 1968

- Established the National Flood Insurance Program
- Federally subsidized flood insurance was made available to communities that voluntarily enacted land use and control measures
- Prior to the 1968 Act the sole relief available to flood victims was special disaster loans

### Biggert Waters 2012

Actuarial rating requires an elevation certificate. Actuarial rating triggered by:

- · Selling the property;
- · Allowing policy to lapse;
- · Repetitive flood losses;
- · Purchasing a new policy.





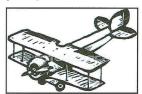


### Homeowner Flood Insurance Affordability Act of 2014

Slower glide path toward actuarial rating. Actuarial rating still requires an elevation certificate.

Biggert Waters Requirements not changed for:

- · Commercial property;
- · Non-primary residence.



Commen	an Anvan	trees a second	Definitions
COMPANIE	011 MAY 01 KO 11	ivins and	Deniminons

•LOMA- Letter Of Map Amendment

•BFE – Base Flood Elevation

•EC - Elevation Certificate

•FHBM - Flood Hazard Boundary Map

•FIS - Flood Insurance Study

•FIRM – Flood Insurance Rate Map

•DFIRM – Digital FIRM

•LOMA OAS - Letter Of Map Amendment Out As Shown

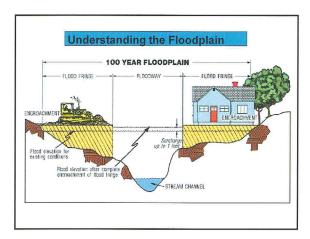
•NFIP - National Flood Insurance Program

•SFHA - Special Flood Hazard Area

### Base Flood

One Percent Annual Chance Flood 100-Year Flood

Base Flood means the flood elevation that has a 1% chance of being equaled or exceeded each year. The base flood is the flood used by most Federal and state agencies and by the National Flood Insurance Program (NFIP) as the standard for floodplain management and to determine the need for flood insurance.



### Why Do Communities Regulate the Floodplain?

- To protect people and property
- ■To ensure that federal flood insurance is available
- To save tax dollars
- To avoid liability and lawsuits
- ■To reduce flood losses in Kansas

### Southern Jefferson County surveyors reprimanded, fined

(Headline from Beaumont Enterprise in Beaumont, Texas in February of 2009.)



Incorrect land surveys prevented hurricane damaged homes from being rebuilt. Two Texas surveyors were fined \$6,000 each for filing incorrect elevation figures.

Full and complete details available on the internet. You may find it to be interesting reading.

### **Community Responsibilities**



- Adopt an ordinance
- Require floodplain development permits
- Review permits to assure sites are reasonably safe from flooding
- Require residential structures to be elevated above the BFE
- Require other buildings to be elevated or flood proofed
- Conduct field inspections and cite violations
- Require Elevation Certificates to document compliance
- Carefully consider requests for variances
- Resolve non-compliance and violations
- Advise FEMA when updates to flood maps are needed

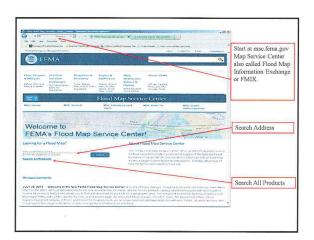
### Start With The Flood Map

- ■What type of map is it?
- ■Community Name
- Panel of the Map
- ☐ Community Number
- ☐Site diagram
- Community Number with Panel Number
- Revisions
- Effective Date

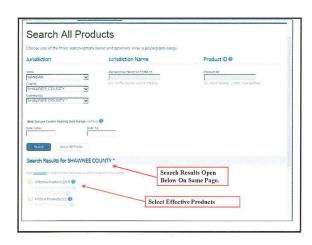
## FIRM FLOOI INSURANCE RATE MAP PLOOI INSURANCE RATE MAP DICKINSON COUNTY, KANSAS AND INCORPORATED AREAS PARE SI OF 220 SOMMENT SOMMENT SOMMENT SOMMENT MAP NUMBER: 200110001 C FRECTIVE OUT: DECEMBER 16, 1988

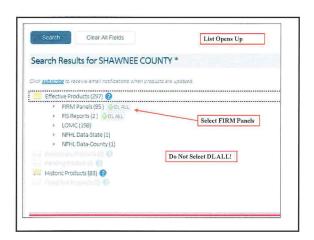
# The Flood Insurance Rate Map (FIRM) Flood Hazard Zones Zones A. 2503.2 and Zones A. 2504. A Zones A. 1530.2 and Zones A. 2504. A Zones A. 1530.2 and Zone A. 2504. A Zones A. 1530.2 and Zone A. 2504. A Zones A. 2504. A Zone A. 2504. A Zon

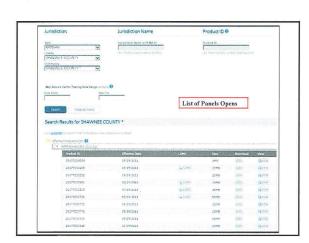


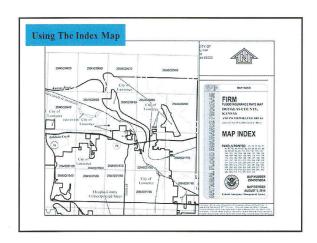


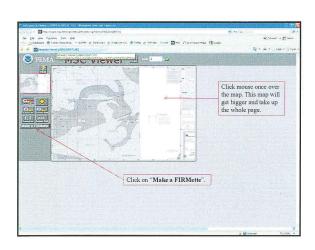


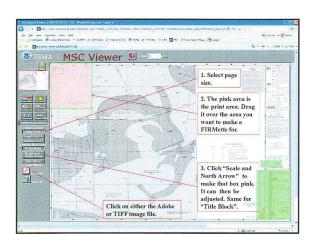


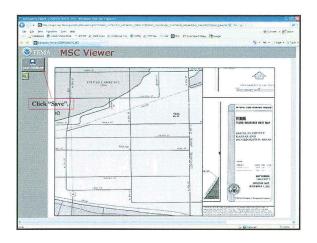


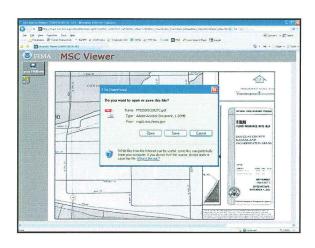


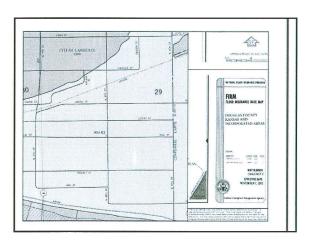


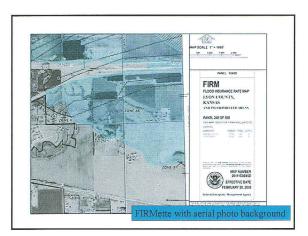


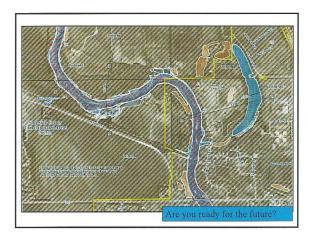












### Flood zones

Zone A – Areas subject to inundation by a 100-year flood. Because detailed hydraulic analyses have not been performed, no base flood elevation or depths are shown.

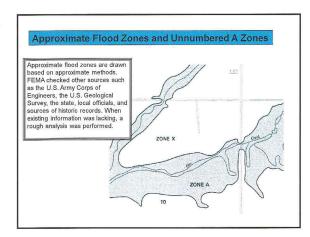
Zone AE — Areas subject to inundation by a 100-year flood as AE elemined by detailed methods. Base Flood elevations are shown within these zones (zone AE is used on new and revised maps in lieu of zones A1-A30).

Zone AO – Areas subject to inundation by 100-year shallow flooding (usually sheet flow or sloping terrain) where average depths are between one and three feet. Average flood depth derived from detailed hydraulic analyses are shown within this zone.

Zone AR — Area of special flood hazard that resulted from the decertification of a flood-protection system that is in the process of being restored.

Zone B. C and X – Areas of moderate or minimal hazard from the principal source of flooding in the area, as identified in the community flood insurance study (FIS). Buildings in these zones, however, could be flooded by severe, concentrated rainfall where local drainage systems were inadequate. Local stormwater drainage systems are not normally considered in the community's FIS. The failure of a local drainage system creates areas of high flood risk within Zones B, C and X. Flood insurance is available in participating communities but is not required by regulation (zone X is used on new and revised maps in place of zones B and C).

Which of these zones require an elevation certificate for PostFIRM structures?





### Water Surface Elevation

If two elevations overlap on same property use the higher number. This can happen in areas where streams and rivers converge.

In <u>some</u> communities that only have approximate A Zones the Division of Water Resources can provide water surface elevations. If this information is used on a LOMA or EC it should be noted.

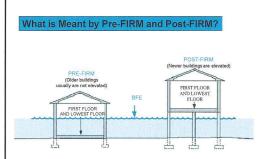
### Flood Map Revisions Issued by FEMA

- Letter of Map Amendment (LOMA)
- Letter of Map Revision (LOMR)
- Letter of Map Revision Based on Fill (LOMR-F)
- Physical Map Revision (LOMR PMR)
- LOMA Out As Shown (LOMA OAS)

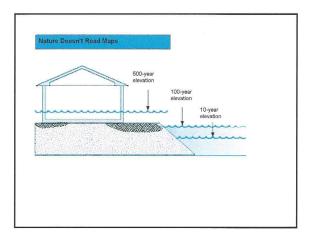
### Activities that Require Permits

- Constructing new buildings or additions to existing buildings
- Substantially improving existing buildings
- Placing manufactured (mobile) homes
- Subdivision of land
- Temporary buildings and accessory structures
- Agricultural buildings
- Parking or storage of recreational vehicles
- Temporary or permanent materials storage,
- Roads, bridges, and culverts
- Fill, grading, excavation, mining, and dredging
- \*Altering stream channels





Elevation certificates were not required for PRE-FIRM until BW12. There are many thousands of Pre-FIRM homes that will require an elevation certificate when sold. In some cases an elevation certificate may help the owner of a PRE-FIRM property to save money.



### Nature Did Not Read The Flood Maps In 2007 In Coffeyville!

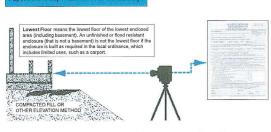


### What is the Elevation Certificate and How is it Used?

- □The EC must be signed and sealed by a licensed land surveyor or professional engineer. Architects are not allowed to sign EC in Kansas.
- □ It can be used to show that sites are natural ground above the Base Flood Elevation. The EC alone will not eliminate insurance requirement.
- □EC is used by communities to determine that properties are elevated properly.
- ☐ Insurance agents use the EC to write flood insurance policies.
- ☐ The Elevation Certificate (EC) is a FEMA form found at www.fema.gov.



### Paperwork is Important for Your Community



What is the "Top Of The Bottom Floor"?
What is a basement?



### **The Elevation Certificate Form**

Lines A1, A2, A3, A4 are self explanatory.

Do not use an expired form.



### Line A5 is latitude and longitude.

Check the appropriate box for the datum that was used.

### Line A6 is photos.

Place two photos on third page.



- •Minimum 2 Color Photos
- •3"x3" With Date
- •Taken in Last 90 Days
- •Photos Must Show
- Foundation and Openings
- •Front and Back Required •Side Views for Split Level
- ·Label Photos
- •Date Must be Included on Photo.

Take extra pictures. Digital pictures are free. It makes a record of what was there when you were there.

### Line A7 is for Building Diagram. See University of conductor accounts to the conductor of the conductor accounts of the c

### This happened here in Kansas.

A surveyor wrote down the wrong building diagram number. The property owner's insurance went from about \$400 up to \$4,000 because of that simple mistake. The property owner called DWR and was very upset about this costly insurance. It was a simple thing to fix once we realized the mistake.

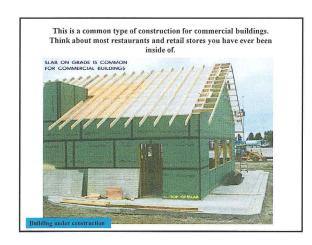
### **Building Diagram 1A**

Slab-on-grade. May be more than one story. May have garage attached.



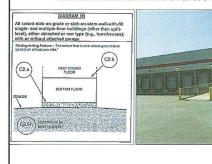
Rear view of home on slab. Note that the hvac is not on a slab on the ground. It is elevated on a stand.



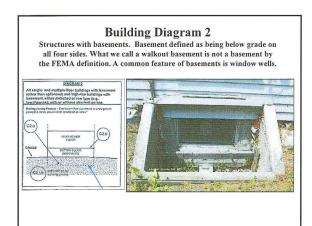


### **Building Diagram 1B**

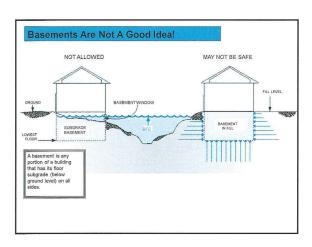
Structures that use a raised slab or stem wall with fill, This picture is of a truck loading dock. We don't have many residences in Kansas built with this method of construction.

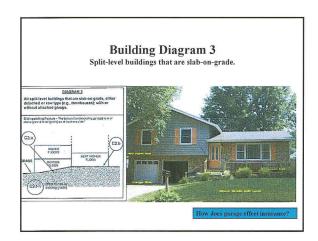


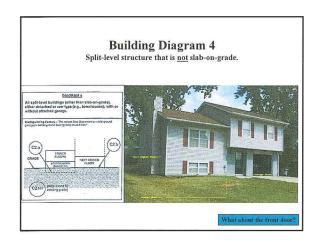
## Something New Septime Septim

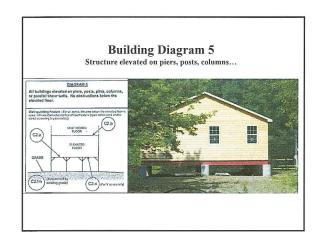


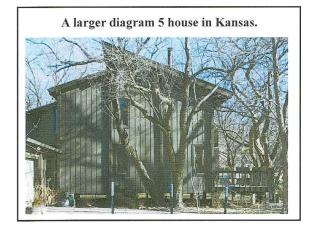


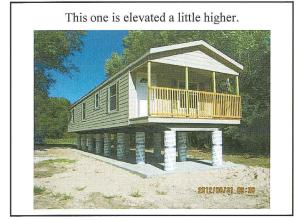




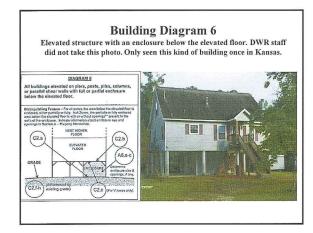


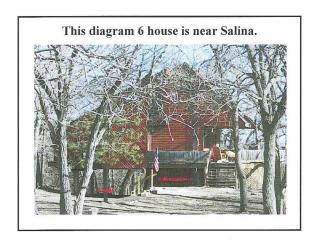


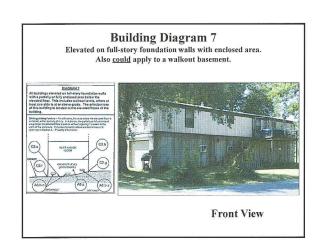




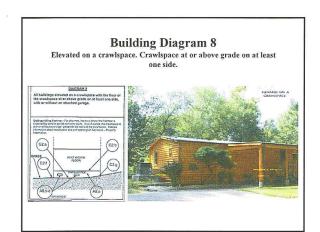


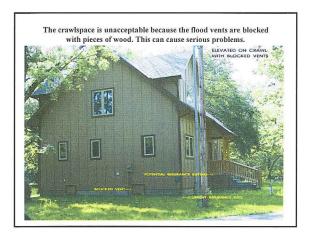






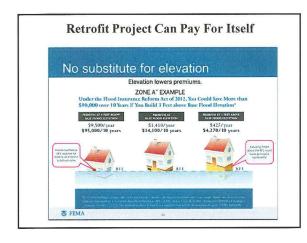


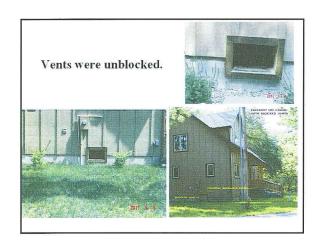


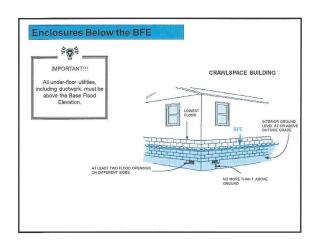


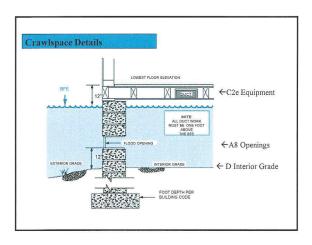
			201.	1 Rate	es	
Flood Zone	200	THE PERSON NAMED IN	State portformer	TORREST STATE OF THE PARTY OF T	SI MAKAMBAN MAKAMBAN	terrene wear
AE	Elevated Bldg		RESIDENTIAL		Non-	Residential
			Post-FIRM Rates	Pre-FIRM Rates	Post-FIRM Rates	Pre-FIRM Rates
Insured Value	\$150,000					
		-8	\$4,980	\$1,106	\$10,740	\$1,355
	$\Rightarrow$	-2	\$4,386	\$1,106	\$8,910	\$1,355
		-1	\$3,936	\$1,106	\$8,445	\$1,355
		0 @ BFE	\$1,113	\$1,106	\$2,250	\$1,355
	-	1	\$573	\$1,106	\$825	\$1,355
		2	\$369	\$1,106	\$480	\$1,355
		3	\$279	\$1,106	\$375	\$1,355

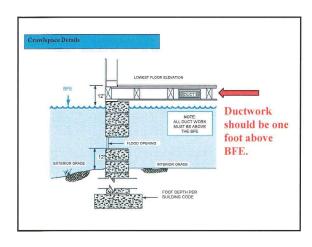
# Insurance Agent's Lowest Hoor Guide WHOLE 19 MALE. The state of the

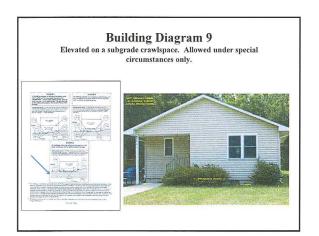


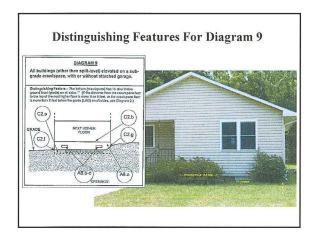


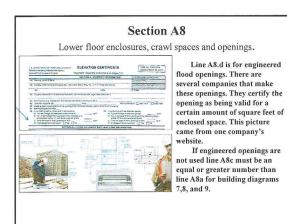


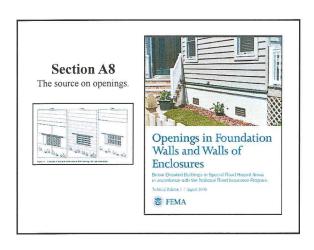


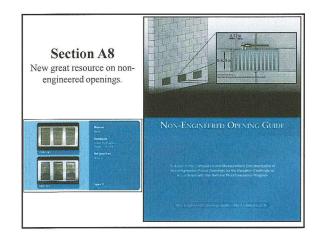


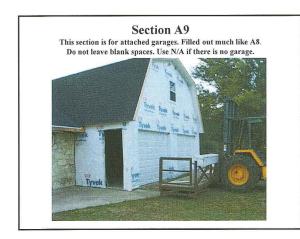


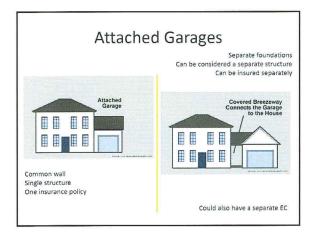


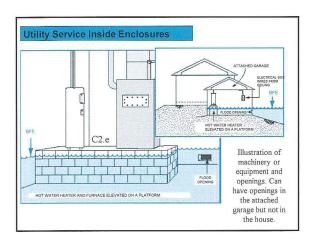


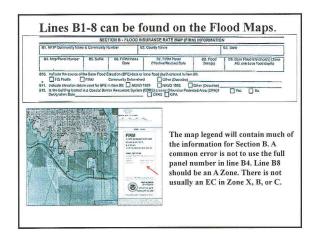


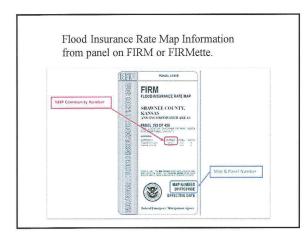


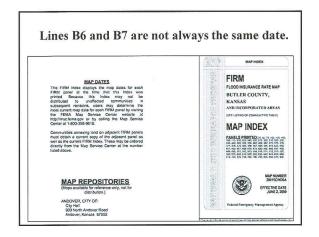


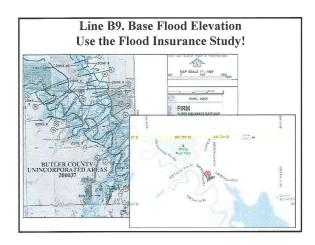


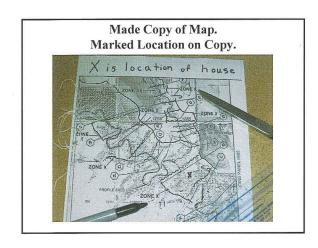


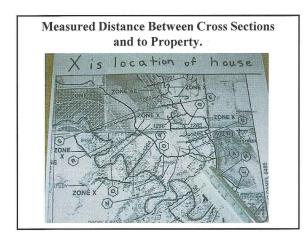


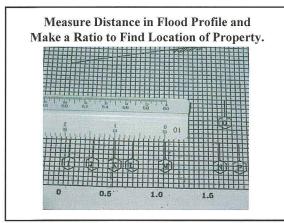


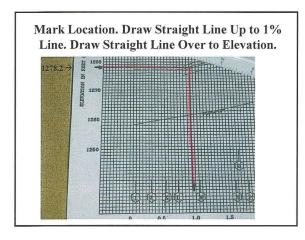




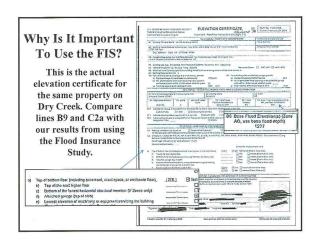


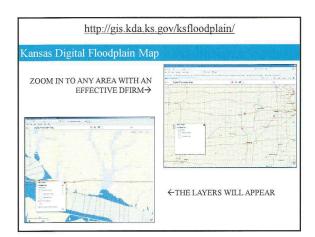


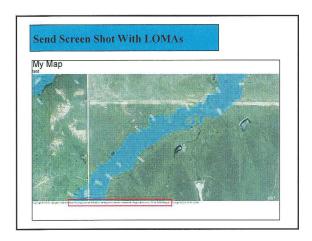


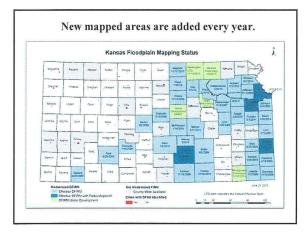


FLOCOING			FLOODWA			RCENT-ANNUAL-		,
FLOODING	SOURCE			1	,	WATER SURFACE	ELEVATION	
DRINS SECTION	DISTANCE"	NOTE	SECTION AREA (SOCARL FRET)	MEAN VELOCITY	PEGLATORY	LI GODAVA	TEOGRAMAY (NGYD)	INCREASE
DRY CREEK		(SEE 1	DOC CALL PLANT	1				1
A	1.22	1,161	7,915	1.5	1.232.1	1,232.1	1,232.6	0.7
В	1.55	763	4,662	2.6	1,232.7	1,232.7	1,253.4	0.7
C	2.39	655	2,935	3.9	1,236.2	1,235.3	1,237.3	1.0
D	3.35	974	3,674	1.3	1,242.5	1.242.5	1,243.5	1,0
15	4.62	423	4,070	2.9	1,247.9	1,247.9	1,248.9	1.0
F	5.321	1.154	3,759	3.1	1,250,3	1,259.2	1,251.3	1.0
G	5.78	165	2.209	5.3	1,255.4	1.256.4	1.257.3	0.9
н	5.88	785	7.517	1.6	1.259.7	1.260.7	1,261.7	1.2
	0.64	958	4 145	1.1	1.277.4	1,273.91	1,274,91	1.5
	0.293	1.970	5,797	2.3	1,227.4	1,275.0 1	1,276.0	1.0
	0.527	1,230	6217	2.2	1,277.4	1.275.7	1.276.7	1.0
î	0.692	530	3.176	4.3	1,277.4	1,276.67	1,277.51	0.9
M	1.027	770	3,672	1.7	1.279.0	1,279.0	1,279.7	0.7
N	1.50	520	3,172	2.6	1.751.6	1.281.6	1.282.4	0.5
D .	1.632	500	2.973	4.6	1.281.9	1.281.9	1.282.7	0.8
	1.222	740	5,263	2.6	1.283.4	1,283.4	1.284.2	0.X
0	1.922	949	5085	2.7	1,284.5	1.7515	1.255.7	0.8
2	2.237	910	4.003	32	1285 8	1,285.8	1,286.4	0.6
8	2.10	810	5.163	2.5	1,237.1	1.287.1	1.287.6	0.5
T	2.622	510	3,479	1.7	1,237.7	1,287.7	1,782.7	1.0
17	7.83	190	1.574	8.2	1,289.2	1.239.5	1250.7	0.9
			8 078	16	1,297.6	1.293.6	12912	0.5
٧	3312	920	6.566		1,291.0	1.294.0	1.299.6	0.5
W	3.642	1,000	6.566 3.662	2.0	1,291,9	1.294.0	1 295 4	10
X	2.82"							10
Miles store pend	oence with White	ener Kiver 5	dile share most of	Santa Fe Lake "Elevin	as without conditeral.	on of backwater effect	two Spring For Lake	
FEDERAL	EMERGENCY	MANAGEMI	ENT AGENCY		F	LOODWAY DATA		
	BUTLER C			-		DRY CREEK	-	







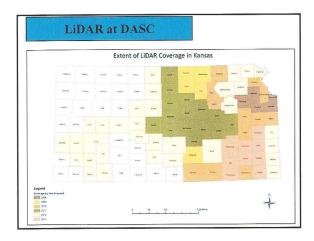


### What if there is no Flood Insurance Study?

### Line B10. Source of Base Flood Elevation

When a surveyor or engineer uses the data from DWR website to interpolate a BFE they should identify it on the form. State the source of the data as, "State, Division Water Resources" and add a note saying, "Data from DFIRM created under MapMod program." The FEMA reviewers will then look at the DFIRM to evaluate the BFE that was developed. If the BFE determination is good it will be approved. If there are problems the reviewers will ask for additional information.

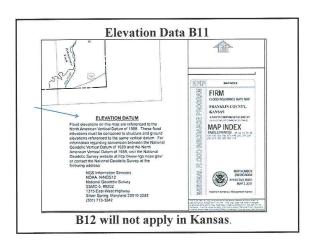
DEPARTMENT OF LAWY TOWNERS HOMENING STATEMENT WHI SCAN ISSUE THAT WASHES THAT COLUMNS TO THAT WASHES	<b>USACE</b> Elevation
Option 2, 7912	Letter
GE-12-002	
We done standards was followed by the control of th	
Dear Rr. (Stroken)	
pair 19 to prepare to your regard for a Pair Flood Streeties for property at 1886 here trace bond, America City, Entre, in 180 1885, per 27, 7, 18 is, to he, Garry Greaty.	
The Courseas Pederal Securiously Management Associate Silved Englands Sales May Dissembly Security 2015 05556, dated Reference 4, 1955 [collected the property as to Town A (the speciments PO-year 1804)]	
Date to the many from:    Sing the General Court   Fig. on here of front in order for the talk property to this present over the talk property to the control of the court of	by FIS, we have determined that the Base FIG property is 1065 feet National Geodetic . Any development on this natie must be modeled in the property of the property of the consumance requirements, a letter of the property of the property of the property of the development of the BPE.
State of the Assess National Conference of the C	s property is 1065 feet National Geodetic . Any development on this site must be need plain regulations. To officially remove isurance requirements, a letter of Map obtained from FEMA if the lowent adjacent
State of the Assets National Conference of the C	. Any development on this site must be one plain regulations. To officially remove issurance requirements, a Letter of Map obtained from FEMA if the lowent adjacent
State of the same territ.  Many the territ property first, or best of property first property fi	s property is 1065 feet National Geodetic . Any development on this site must be used plain regulations. To officially remove isurance requirements, a letter of Map obtained from FEMA if the lowent adjacent



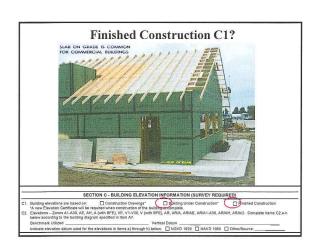
### **LiDAR Information**

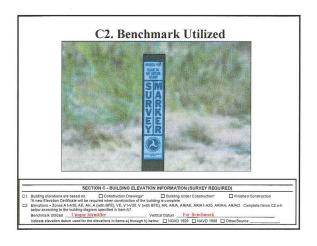
Dane Bailey 785-296-7769 Dane.Bailey@kda.ks.gov

Tara Lanzrath 785-296-2513 Tara.Lanzrath@kda.ks.gov



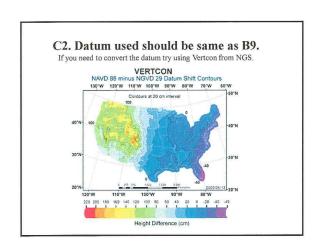
### Section C. Building Elevation Information. C1. Check the appropriate box. If not finished construction a new certificate will be required when construction is complete.





### Benchmark information is not provided by FEMA. Informing address: Services See Survey 2 Haghings 10 25010 23022 2 Haghings 3 Haghings 4 Haghings 4 Haghings 4 Haghings 5 Haghings 5 Haghings 5 Haghings 6 Haghings 6 Haghings 6 Haghings 6 Haghings 8 Haghings 9 Haghings 1 Haghin

For GPS Survey, indicate the benchmark used for the base station, the Continuously Operating Reference Station (CORS) sites used for an On-line Positioning User Service (also attach the OPUS report), or the name of the Real Time Network used.



### **Building Elevation Information**

### Section C2

 $\underline{Don't\ leave\ any\ spaces\ blank}.$  When something does not apply put N/A on the line.

Compare these terms to the building diagrams in case you have any questions.

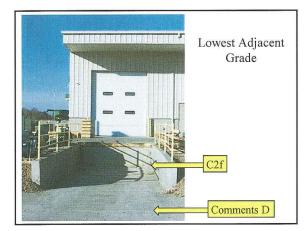
- C2.a) Top of bottom floor.
- C2.b) Top of next higher floor.
- C2.c) Will always be N/A in Kansas.
- C2.d) Attached garage. If no garage N/A.
- C2.e) Lowest elevation of machinery...
- C2.f) Lowest adjacent grade. (LAG)
- C2.g) Highest adjacent grade. (HAG)
- C2.h) Lowest adjacent grade of deck...

### Oops

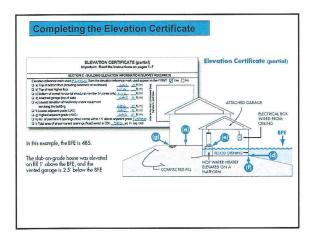
### Section C2 Common Mistakes

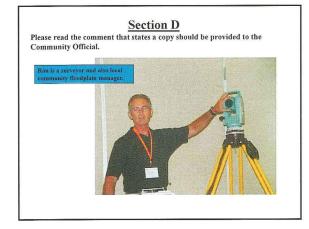
- C2.a) Not using basement floor.
- C2.b) Two story house but line is blank or same as C2a.
- C2.c) Left blank instead of N/A.
- C2.d) Attached garage. No garage then put N/A.
- C2.e) Left blank or not documented in Section D.
- C2.f) Compare with B9 for potential LOMA.
- C2.g) Highest adjacent grade. (HAG)
- C2.h) Left blank when should have N/A or number.

Please also watch out for typing errors or transposing a numbers. Please check the box for feet instead of meters.



_						
					501	
_						
_						
_			× or motor			
_	***					
_		 				 2
_						 
•	 	 	-			
_						
_	 					
in.						
_						
_						
_						
_						





## Section D Section D

### Section E

New development must have a base flood elevation. If elevation data is not available contact :

US Army Corps of Engineers Tulsa District
Tulsa, OK 74128 918-669-7197

SECTION E - BUILDING ELEVATION INFORMATION (SURVE	Y NOT REQUIRED	FOR ZO	NE AO AN	D ZONE A	WITHOUT BFE)
for Zones AO and A (without BFE), ecosplate (terms E1–E5. If the Carrificion i for floms E1–E4, use natural grade, if available. Check the measurement us	s intended to support ed. In Puerto Rico on	a LOMA o	otors.	quest, compte	to Sections A, B, and C
<ol> <li>Provide elsewition information for the following and check the appropriate grade (HAG) and the lowest adjacent grade (LAG).</li> </ol>	boxes to show wheth	ner the elu	vation is abo	and or polow a	re bighest adjacent
a) Top of bottom floor finelucing basement, crawbspace, or enclosure) is		Cleet	[] meters	☐ above or	Distour the HAG.
b) Top of bottom floor (including bosomers, crawtopace, or enclosure) is	-	□ feet	□ meters	Dabove or	Distortise LAG.
2. For Skillsing Clagrams 6-9 with permanent fixed openings provided in Se	ction A Boms 8 and/	or 9 (see	MEES 8-9 a	Instructions).	
the rost higher foor (elevation C2,6 in the diagrams) of the building is		☐ feet	Coretors	Dispose or	The below the HAG.
3. Attached gorogo (top of slab) is	-	Dieet	Ometers	To above or	Dibelow the HAG.
A. You of phytoms of machinery and/or equipment servicing the building is		Chical	Onetes	[]about to	Disclow the HAG.

### NFIP Reform Acts

Recent reforms have changed the game. Every case should be considered individually. In some cases, a property owner will save money on the cost of flood insurance by filling out Section E in an unnumbered Zone A without a survey or base flood elevation. In some cases forced placed insurance by the bank saves money.

### Section F Property Owner Certification

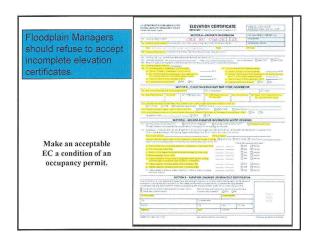
The property owner or owner's authorized rep. Zone AD must sign here. The statements in S	reservative who completes Sections A.S. and Ellir Zin sotions A.S. and I. are correct to the best of my know	o Allwithout a FEMA-insued to a ridge.	tormunity speed BPE or
Property Danier or Danier's Authorized Regree	ernativo's Norte		
Abresa	Cm	200c 22	Code
Signature	Diahe	Terephone	
Olectures			

For AO zones and some Pre-FIRM buildings unnumbered A zones.

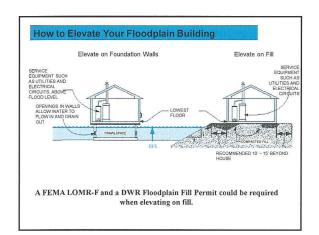
The address here should be the mailing address of the property owner or property owner's representative who provided the information.

Building Photographs
Take the picture near a corner. You can show two sides in same photo. In two photos you'll show most of four sides (if there are no trees in the way).





### \*Floodways can be dangerous because water may flow very fast \*Development is not allowed unless 'no rise' in flood levels is certified \*An engineer must evaluate the hydraulic impact of proposed development \*A 'no rise' certification is recommended and must be signed, sealed, and dated by a registered professional engineer



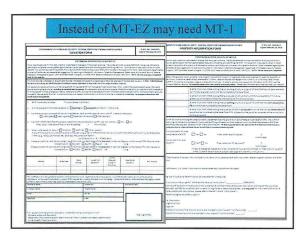
## \*Not habitable \*Anchored to resist floating \*Flood openings/vents \*Bull of flood resistant materials \*Elevated utilities \*Cannot be modified for a different use in the future Elevation Certificate would be needed for this structure to document elevation of utilities and openings. Put it on a second form if not attached to the house.

### Read the Instructions

owest Adjace	nt Grade		
T 1/	CAL	1 / /T	ONTAL
Lette	r of Map Am	endment (L	OMA)
There are time	es that this form will	save you time and	save your clients
r	noney. Submitting a l	OMA request is fi	ree
	noney. Susmitting a	I - I request is in	
ANY ICE TO A POSSESSION DAVIS STORES TO ANY ICE TO A POSSESSION DAVIS STORES TO A POSSESSION DAVIS DAVIS STORES TO A POSSESSION DAVIS STORES TO A POSSESSION DAVIS DAVIS STORES TO A POSSESSION DAVIS STORES TO A POSSESSION DAVIS DAVIS STORES TO A POSSESSION DAVIS DAVIS STORES TO A POSSESSION		3 - No. parties made to company by angularity of decisions NOTE after property to group the decision and of these	
100	1200 (000) (420)	Applicate process made as accommod to Service &	
	The party of the Control of the Cont	The application services in Color on the property of a few region of the Color of t	the formation of frequency of the companion as make the data (formation), for the companion of the companion
Target and the state of the sta	CO. June 1. M. Spelland IV. 245, Prompte Haufre Freier (No. 187), and Paleston Florida in States are involved freier transport Personal Agric (1890, 1894) and action for the action of Artificial Improve prompte freier to		the plants are a few actions in the actions of the second section of the section of the second section of the section of the second section of the section
		**************************************	and the second s
Services to have the day in his stock as an in-	property of decision for the property of the control of the contro	Les A and recommended the second of the factor of the fact	
		Management of the Control	(Strengtones tops) (regionary)
THE DESCRIPTION OF	A STATE OF THE PARTY OF T	Operations are tend (no	And the last of the control of the c
E. Parameter and be requested in the property record	the particular from 1 that is a part or one to the tendent in consider	Direct annual contract of the	The state with hand point or the contract of an artist of the
I see properties a because on a because	est described spring the No.C.	a perjudicity against flue to go incompress to the color	ne ne devenir hi
Carlin marrier rend later	Figure 10	L. BASHS PORENTS	
	the second of property and of record or and store (19)	Management of the same	and Therefore
.1995		Otto union	
to be an exercise to be because beginning as	millioness:	E GROSENAC (CONTRACT DATA	
[] to appropriately		Parameter and a second	
Committee the second se	Control of the way are a first que between a control	T. P. M. School P. St. V. Ball Sept. of Disability	and the Branch Control of the Contro
Consumeror		Milliand Mathematica (	the Controller In Co. Indicate Co.
	and it the last of the broaders of a construction and the baseline baseline baseline baseline	1. Bulletine whitestive during requires	
Desirate to be a represent to the first of the se	Life Star	Total Report (1988) The Company of the Company     Total or Common process on the Company of the Company     Total or Common process of Company of the Company	
THE SAME AND ADDRESS OF THE PARTY.	Carrie Sparse In.	- 19 (00/00/00/00/00/00/00/00/00/00/00/00/00/	or the Oran and a second of the second of the
		promise to the attraction of the State and State	of the set of prevention of the set of the second of the
l .	74-31	(amount)	facque (m)
Spring Charge marks	and the second	(Managhana) Spokenson	Table (second)

### Use an EC with MT-EZ

When an elevation certificate has already been completed it can be attached to an MT-EZ form and submitted with a LOMA request. Fill out the MT-EZ form but leave lines blank that ask for elevation information. That is provided on the EC. This can only be done for a request to remove a structure. The EC form doesn't have any place on it for a metes and bounds description.



## The free electronic LOMA program started only a few years ago. More information available on the FEMA website. Go to www.fema.gov and search for eLOMA. Can be approved in 5 minutes or less.

### **Online LOMA**

Next best thing to eLOMA is the Online LOMA program. Submitting your documents online saves time and money on postal mail. It can result in your requests being processed more quickly.

<b>⊗</b> FEMA	4 6
Online Letter of Map	Contact Us
Change Fact Sheet	For more information should the Online LOPC had go to seen Force go, contraction
What is a Letter of Map Change BAMM IS	For quasitions or troubleshorting greaters set the 15MA May Information
To groups a more fittle due properts has been real-cateful recopied in a reportal resultation described in the maje when a regional resultation as the maje when a form of the resultation of the resultation of the season to the all results of the season to the internation of the color cateful response as properts makes of being product of excellent results provide at 1000 for the results of the	extracted from the 1877 CSE 2037
What is the Culme-LONG?	
The Valley (TAN) is an interest translated that offer a applicate to ready accurate a force of the Quantitation (VALL) is 1.00% in a finite a finite 1.30% change that are colorly greatest or specific (final right once interestly size) possess and the new from Annial spirit (Valley and Library), constituting the fine final the new fined or a consistent transfer of the properties of the constitution of the constitution of the properties at the price of the constitution of the constitution of the properties at the price of the constitution of the constitution of the properties of the constitution of the constitution of the constitution of the properties that only the first of the constitution of the	
Whengi are the Coher LOMO?	
Among such line home or proporty owners, their representation, and problems and except in and contents on my children in 1993 he input many the Colony (1993). Constitutes the historical depression or many other genetic many in required for some regenting of naturalization, which may be second and applicability for supplication.	
What are the benefits?	
<ul> <li>Approach that are information and and and applying a flow processor.</li> </ul>	
<ul> <li>Clear and reporter structure endowing the property from the</li> </ul>	
<ul> <li>Lambring additional consumers more by 1999 And and only.</li> </ul>	
<ul> <li>Applicants can obtain their application when in read-time</li> <li>Were efficiently a temporary transport in the LLARY processor width</li> </ul>	RiskMAF
Committee of the control of the product of the	increases became Topics

### The bank says I have to buy flood insurance

### LOMA with an Out As Shown determination

Although the house is not in the floodplain this property owner got a letter from the lender requiring flood insurance.



### LOMA-OAS does not require a survey.

Fill out page one of the MT-EZ and send it in with a letter requesting an out as shown determination.

- LOMA-OAS is a determination made by the Federal Emergency Management Agency (FEMA) for the property and/or buildings as to whether it is located within the special flood hazard area (SFHA). Only use this method if it is clear, visually, that the structure in not in the SFHA.
- $\label{thm:continuous} \textbf{Obtain the first page of the MT-EZ form} \ \ Found \ on \ FEMA's \ site at \ www.fcma.gov/plan/prevent/fhm/dl\_mt-ez.shtm$
- Documents Needed to Submit with MT-EZ Form:
  - Deed Copy of property deed can be obtained from the Register of Deeds

  - FIRMette Created at <u>www.msc.fema.gov</u> click on "FIRMette Tutorial" at the bottom of the screen or contact the local Flood Plain Administrator

     Map Obtained from community's GIS department or a website like Google Maps with a good acrial photo

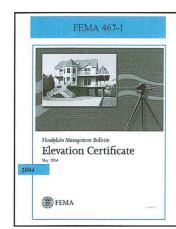
### LOMA Based On Vertical Elevation. Sources of Data.

- · State website in cases with a DFIRM.
- USACE Tulsa
- · LiDAR interpolation
- · Performing your own study
- · "Not Determined"



### Want to Learn More?

- •For information and advice on permits and managing flood hazards, contact the NFIP State Coordinator at 1-785-296-5440 or visit our website at: http://agriculture.ks.gov/divisions-programs/dwr/floodplain
- •To speak with the local FEMA Floodplain Specialist, contact Andy Megrail at FEMA Region VII, 1-816-283-7982 or andy.megrail@fema.dhs.gov.
- •To view Flood Insurance Rate Maps visit FEMA's Flood Map Information Exchange on-line at http://.msc.fema.gov . Can make a FIRMette, order maps, and check on LOMC there.
- •FEMA's on-line publications can be found in the FEMA Virtual Library. Many are posted in the Portable Document Format (PDF). So to www.fema.gov/library/ for more information. You can order printed copies of FEMA publications from the FEMA Distribution Center, at 1-800-480-2520.
- •To learn about elevation and benchmark data see the Notes To Users on the FIRM or check the FIS. If you need more help, call the Information Services Branch of the National Geodetic Survey. The NGS number is (301) 713-3242.
- •Excellent websites exist. One of the best is www.floodsmart.gov
- •Get to know the local community floodplain manager.
- •Find a surveyor to fill out an elevation certificate at www.ksls.com .
- •US Army Corps of Engineers at Tulsa (918) 669-7198.



See also the Insurance Agent's Lowest Floor Guide FEMA F-441 for more on building diagrams and rating information.



### Questions?

Steve Samuelson 6531 SE Forbes Ave., Suite B Topeka, KS 66619 785-296-4622 steve.samuelson@kda.ks.gov