

**Purpose of this document:** To assist certified civil engineers and licensed land surveyors in the completion of the San Joaquin County Flood Management FM-1/1M Preliminary Elevation Certificate.

**1. The top section is to be filled out and signed by Flood Management staff and signed by staff.**

**2a. The second section, left side block, Main Structure / Addition,** is filled out by the licensed land surveyor or certified civil engineer.

- The Original Lowest Immediate Adjacent Elevation is the lowest elevation within or immediately adjacent to the footprint of the proposed structure.
- Fill Material or Fill Structure is the elevation change caused by fill material or proposed structure used to bring the structures finished floor above the Base Flood Elevation. Please check the correct term when filling out the form. If neither applies insert zero on line.
- Minimum Finished Floor Elevation is the minimum elevation of the finished floor as required by San Joaquin County Ordinance. This is copied from the top section.

**To calculate the Difference** the certifier adds the Lowest Immediate Grade Elevation to the Fill Material / Fill Structure and subtracts the Minimum Finished Floor Elevation. A negative number indicates the finished floor will be below the base flood elevation. San Joaquin County Ordinance requires the finished floor to be a minimum of 1 (one) foot above the Base Flood Elevation for habitable space.

**2b. The second section, right side block, Main Structure or Residence,** is filled out by the licensed land surveyor or certified civil engineer.

- The Original Lowest Immediate Adjacent Elevation is the lowest elevation within or immediately adjacent to the proposed structure.
- Fill Material or Fill Structure is the elevation change caused by fill material or proposed structure used to bring the sub structure at or above the Base Flood Elevation. Please check the correct term while filling out the form. If neither applies insert zero on line.
- Minimum M/H Substructure Elevation is the minimum elevation of the substructure not requiring an engineered foundation as required by San Joaquin County Ordinance. This is copied from the top section.
- If you wish to have your foundation located below the base flood elevation. The minimum flood water velocity for the calculations required in ASCE 24-05 is five feet per second.

**To calculate the Difference** the certifier adds the Lowest Immediate Grade Elevation to the Fill Material / Fill Structure and subtracts the Minimum Manufactured Home Sub-structure Elevation. A negative number indicates the sub-structure will be below the Base Flood Elevation. San Joaquin County Ordinance requires non-engineered foundations to be at or above the base flood elevation for habitable space.

**3. The third section, Water Tank / Equipment,** is also filled out by the licensed land surveyor or certified civil engineer.

- The Original Lowest Immediate Adjacent Elevation is the lowest elevation within the confines or immediately adjacent to the proposed water tank pad.
- Fill Material or Fill Structure is the elevation change caused by proposed fill material or proposed structure used to bring the tank above the Base Flood Elevation. Please check the correct term when filling out the form. If neither applies insert zero on line.
- Minimum Equipment Elevation is the minimum unrestrained elevation of the tank as required by San Joaquin County Ordinance. This is copied from the top section.
- If the Water Tank is preexisting or none will be placed on site leave this section blank and check the **Preexisting** or **None** box and the applicable term while filling out the form, or if neither insert zero on line. Minimum Equipment Elevation is the minimum unrestrained elevation of the tank as required by San Joaquin County Ordinance. This is copied from the top section.

**To calculate the Difference** the certifier adds the Lowest Immediate Grade Elevation to the Fill Material / Fill Structure and subtracts the Minimum Equipment Elevation. A negative number indicates the tank will be below the Base Flood Elevation, requiring the Tank to be anchored. as per ASCE 24-05.

4. The fourth section, **Propane / Butane / Fuel Tank**, is also filled out by the licensed land surveyor or certified civil engineer.

- The Original Lowest Immediate Adjacent Elevation is the lowest elevation within the confines or immediately adjacent to the proposed tank pad.
- Fill Material / Fill Structure is the elevation change caused by fill material or proposed structure used to bring the tank above the Base Flood Elevation. Please circle the correct term while filling out the form. If neither applies insert zero on line.
- Minimum Equipment Elevation is the minimum unrestrained elevation of the tank as required by San Joaquin County Ordinance. This is copied from the top section.
- If the Tank is **Preexisting** or **None** will be placed on site, leave this section blank and check the *Preexisting/None* box. and circle the applicable term.

**To calculate the Difference** the certifier adds the Lowest Immediate Grade Elevation to the Fill Material / Fill Structure and subtracts the Minimum Equipment Elevation. A negative number indicates the tank will be below the Base Flood Elevation, requiring the tank to be anchored, as per ASCE 24-05

5. The bottom section is for the Certifier to complete and to wet stamp in the **Place Seal Here** block.

Owner must sign at bottom of form once it has been completed by the certifier.

# Flood Control Preliminary Elevation Certificate

**FM-1/1M**



1. APN \_\_\_\_\_ Date \_\_\_\_\_

Flood Zone \_\_\_\_\_

Base Flood Elevation \_\_\_\_\_ Datum \_\_\_\_\_

Minimum M/H Substructure Elevation \_\_\_\_\_

Minimum Equipment Elevation \_\_\_\_\_

Minimum Finished Floor Elevation \_\_\_\_\_

Signature \_\_\_\_\_

**Check Form Used**

FM-1

FM-1M

The information below must be signed and sealed by a licensed land surveyor or qualified civil engineer authorized by law to certify elevation information. I certify that the information on this sheet represents my best effort to interpret the data available. *(See FM-1/1M Instruction Sheet on how to fill out this form.)*

**Main Structure / Residence / Addition**

Pre-Exist

**2a.**

Original Lowest Adjacent Elevation \_\_\_\_\_

Fill Material/Structure \_\_\_\_\_

Minimum Finished Floor Elevation \_\_\_\_\_

Difference   Datum \_\_\_\_\_

**2b. (Complete this section for Manufactured Structures)**

Original Lowest Adjacent Elevation \_\_\_\_\_

Fill Material/Structure \_\_\_\_\_

Minimum Mobile Home Substructure Elevation \_\_\_\_\_

Difference

**3. Water Tank / Equipment**

Pre-Existing  
 None

Original Lowest Immediate Adjacent E \_\_\_\_\_

Fill Material/Structure \_\_\_\_\_

Minimum Equipment Elevation \_\_\_\_\_

Difference

**4. Propane / Butane / Fuel Tank**

Pre-Existing  
 None

Original Lowest Immediate Adjacent E \_\_\_\_\_

Fill Material/Structure \_\_\_\_\_

Minimum Equipment Elevation \_\_\_\_\_

Difference

5. Certifiers Name	Company Name	
Title	License Number	
Address		
City	State	Zip Code
Telephone	Cell	
Signature	Date	

PLACE SEAL HERE

Owner Signature \_\_\_\_\_ Date \_\_\_\_\_