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KALANIANAOLE HIGHWAY IMPROVEMENTS PHASE 1 CWB-NOI CBMP Plan

Attachment A.6
Item 1.9f – FEMA Flood Insurance Rate Map

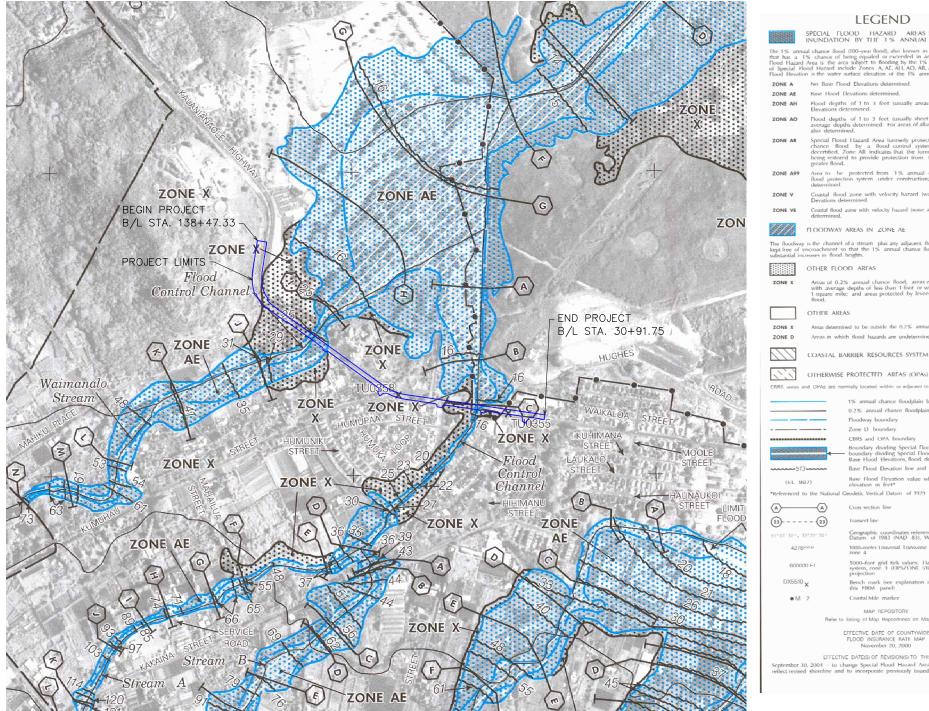


Figure 3: Flood Insurance Rate Map

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1 % ANNUAL CHANCE FLOOD

The 1% annual chance (lood (100-year flood), also known as the base flood, is the flood annual chance of being equaled or exceeded in any given year. The Special at 1% chance of being equaled or exceeded in any given year. The Special acard Area is the area subject to flooding by the 1% annual chance flood. Areas al Flood Hazard include Zones A, AE, ALI, AO, AR, A99, V, and VE. The Base evation is the water surface elevation of the 1% annual chance flood.

No Base Flood Elevations determined.

Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood

Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decentified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations

Coastal flood zone with velocity hazard (wave action); no Base Flood

Coastal flood zone with velocity hazard (wave action); Base Flood Elevation

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without

OTHER FLOOD AREAS

Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levers from 1% annual chance flood.

Areas determined to be outside the 0.2% annual chance floodplain.

Areas in which flood hazards are undetermined, but possible,

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

1% annual chance floodplain boundary 0.2% annual chance floodplain boundary

Zone D boundary

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities. Base Flood Elevation line and value; elevation in feet*

Base Flood Elevation value where uniform within zone elevation in feet*

*Referenced to the National Geodetic Vertical Datum of 1929

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere 1000-meter Universal Transverse Mercator grid tick values, zone 4

5000-foot grid tick values: Hawaii State Plane coordinate system, zone 3 (FIPSZONE 5103), Transverse Mercator projection

Bench mark (see explanation in Notes to Users section of this FIRM panel) Coastal Mile marker

MAP REPOSITORY

Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP November 20, 2000

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

September 30, 2004 - to change Special Flood Hazard Areas, to update map format, to